

FIG. 1

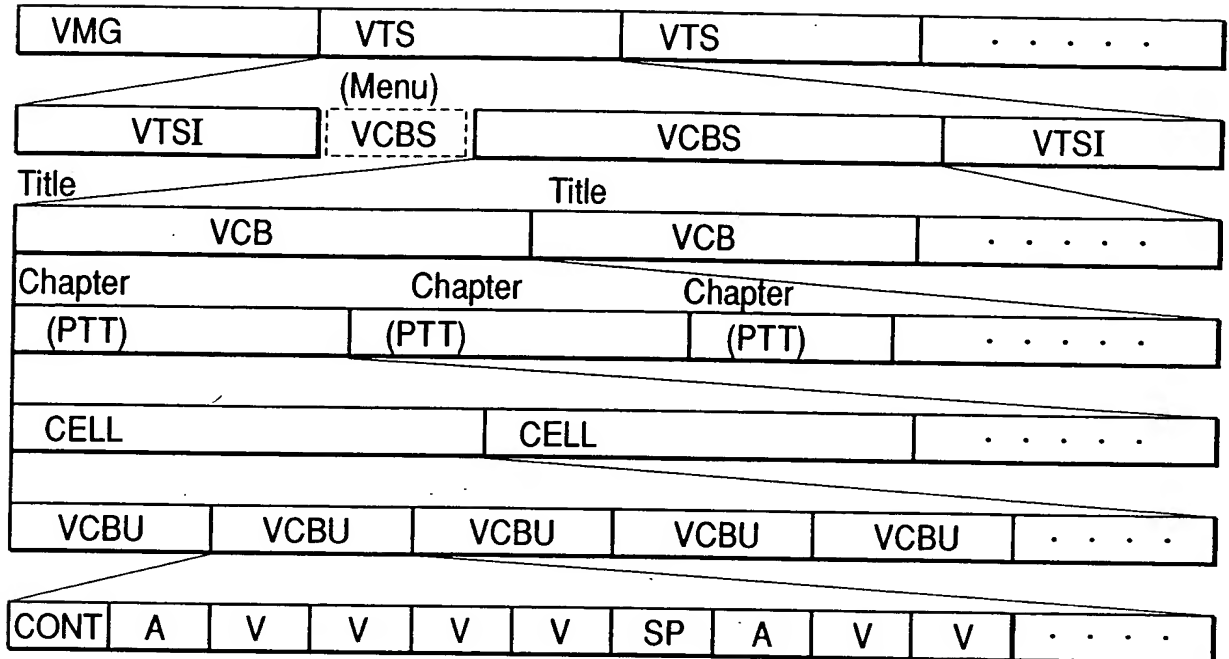


FIG. 2

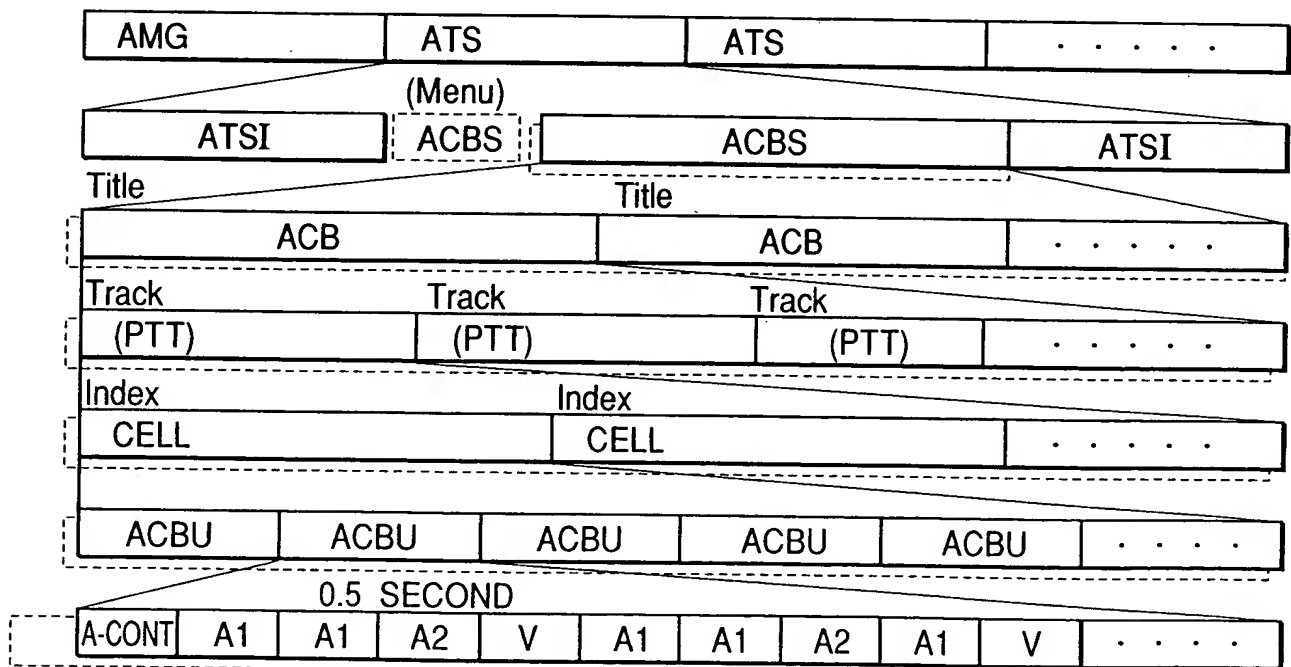
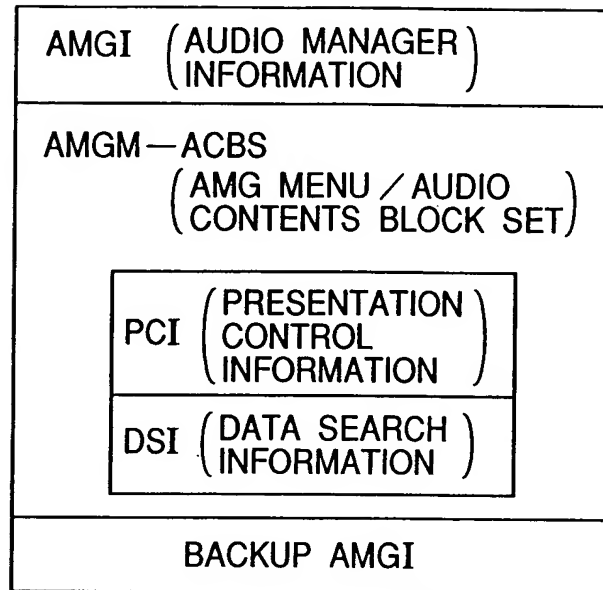


FIG. 3

AMG (AUDIO MANAGER)

**FIG. 4**

ATS (AUDIO TITLE SET)

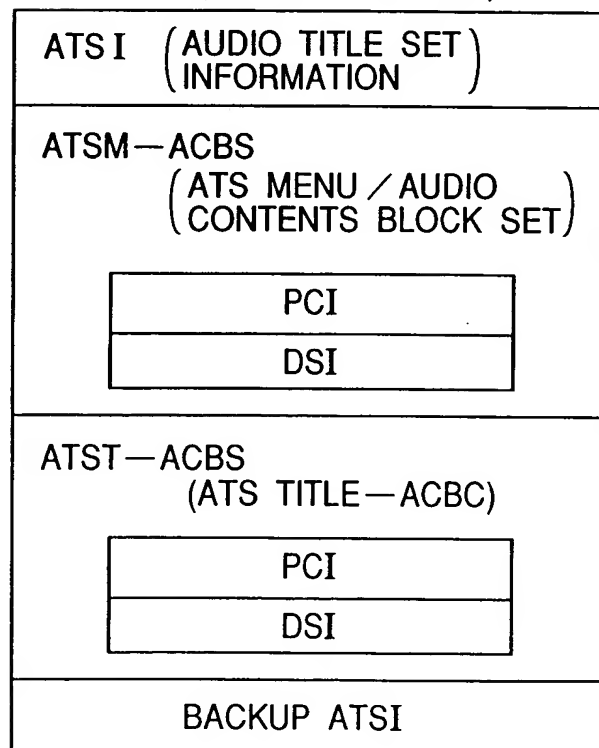


FIG. 5

AMGI (AUDIO MANAGER
INFORMATION)

AMGI — MAT (AMGI MANAGEMENT TABLE)
T — SRPT (TITLE SEARCH POINTER TABLE)
AMGM — PGC I — UT (AUDIO MANAGER MENU) PGC I UNIT TABLE
PTL — MAIT (PARENTAL MANAGEMENT INFORMATION TABLE)
ATS — ATRT (AUDIO TITLE SET ATTRIBUTE TABLE)
TXTDT — MG (TEXT DATA MANAGER)
AMGM — C — ADT (AMGM CELL ADDRESS TABLE)
AMGM — ACBU — ADMAP (AMGM — ACBU — ADDRESS MAP)

FIG. 6

ATS—ATRT (AUDIO TITLE SET
ATTRIBUTE TABLE)

	ATS—ATRTI (ATS—ATRT INFORMATION)
n	ATS—ATR—SRP#1 (ATS#1—ATS—ATR) (SEARCH POINTER)
n	ATS—ATR—SRP#n
	ATS—ATR#1 (ATS#1—ATS ATTRIBUTE)
	ATS—ATR#n

FIG. 7

ATS—ATR (ATS ATTRIBUTE)

ATS—ATR—EA (END ADDRESS)	4 BYTES
ATS—CAT (CATEGORY)	4 BYTES
ATS—ATR I (ATS—ATR INFORMATION)	768 BYTES

FIG. 8

ATSI (AUDIO TITLE SET)
INFORMATION

ATSI—MAT (ATSI MANAGEMENT TABLE)
ATS—PTT—SRPT (ATS PART OF TITLE SEARCH POINTER TABLE)
ATS—PGCIT (ATS PROGRAM CHAIN INFORMATION TABLE)
ATSM—PGCI—UT (ATS MENU PROGRAM CHAIN UNIT TABLE)
ATS—TMAPT (ATS TIME MAP TABLE)
ATSM—C—ADT (ATS MENU CELL ADDRESS TABLE)
ATSM—ACBU—ADMAP (ATS MENU ACBU ADDRESS MAP)
ATS—C—ADT (ATS CELL ADDRESS TABLE)
ATS—ACBU—ADMAP (ATS—ACBU—ADDRESS MAP)

FIG. 9

ATSI — MAT
(ATSI MANAGEMENT TABLE)



ATS — ID (IDENTIFIER)	
ATS — EA (END ADDRESS)	
ATSI — EA	
VERN (VERSION NUMBER)	
ATS — CAT (CATEGORY)	
ATSI — MAT — EA	
ATSM — ACBS — SA (START ADDRESS)	
ATSA — ACBS — SA	
ATS — PTT — SRPT — SA	
ATS — PGCIT — SA	
ATSM — PGCI — UT — SA	
ATS — TMAPT — SA	
ATSM — C — ADT — SA	
ATSM — ACBU — ADMAP — SA	
	
ATSM — AST — ATR (ATSM AUDIO STREAM) (ATTRIBUTE	
ATS — AST — N _s (ATS AUDIO STREAM NUMBER)	
ATS — AST — ATRT (ATS AUDIO STREAM) (ATTRIBUTE TABLE)	
	

FIG. 10

ATSM—AST—ATR (AUDIO TITLE SET MENU AUDIO)
(STREAM ATTRIBUTE DATA)

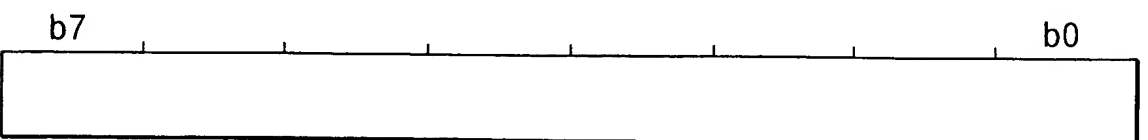
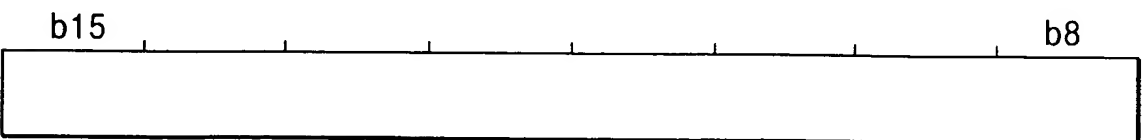
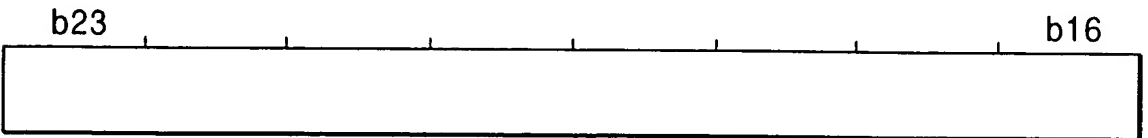
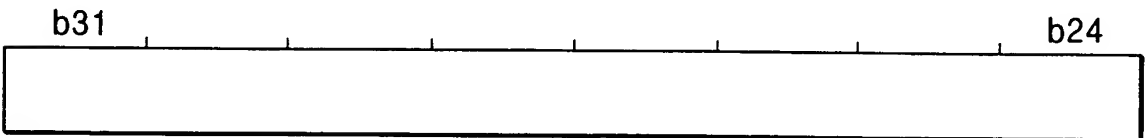
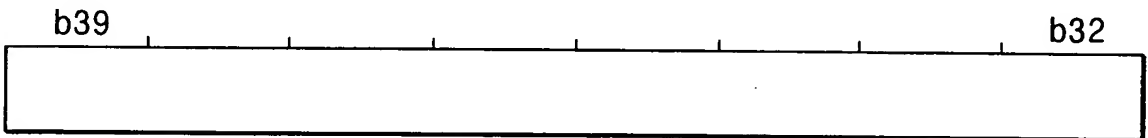
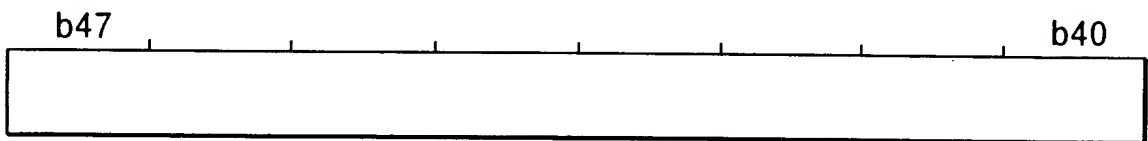
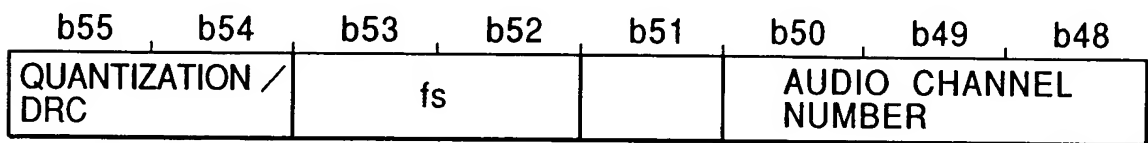
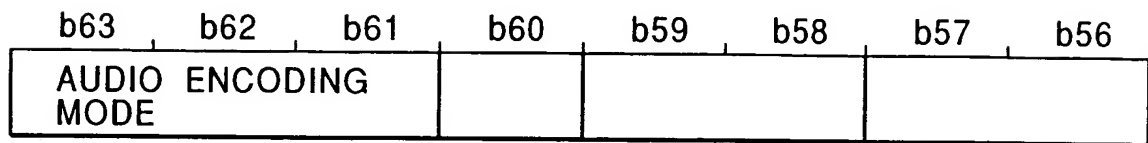


FIG. 11

ATS—AST—ATRT			
AUDIO STREAM	(AST) #0	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #1	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #2	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #3	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #4	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #5	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #6	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #7	ATS—AST—ATR	8 BYTES

b63	b62	b61	b60	b59	b58	b57	b56
AUDIO ENCODING MODE			ME	AUDIO TYPE		AUDIO APPLICATION MODE	

b55	b54	b53	b52	b51	b50	b49	b48
QUANTIZATION / DRC		fs			AUDIO CHANNEL NUMBER		

b47	b46	b45	b44			b40
AST THINNING		LFE THINNING				

b39 _____ b32

b31 _____ b24

b23 _____ b16

b15 _____ b8

b7 _____ b0

FIG. 14

AUDIO PACK (VIDEO PACK)

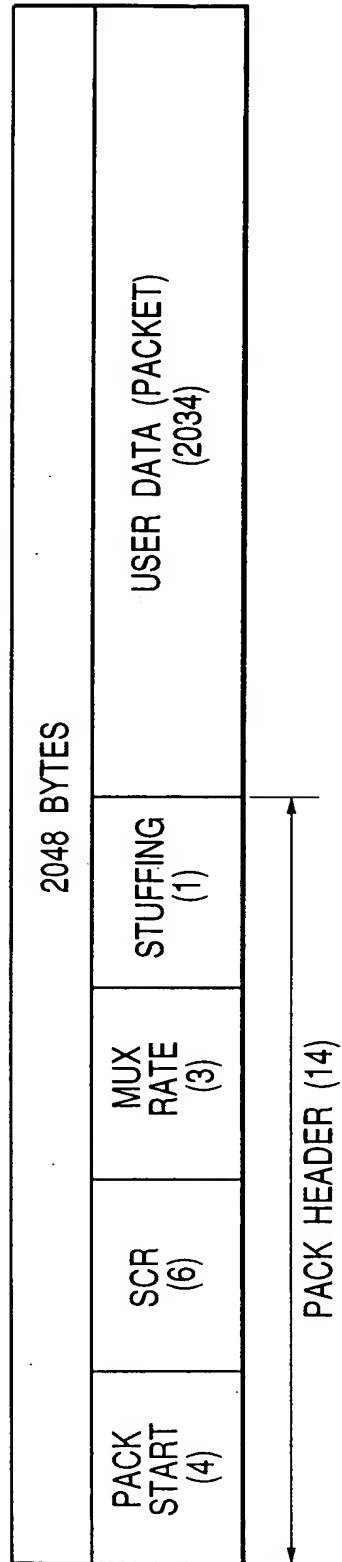


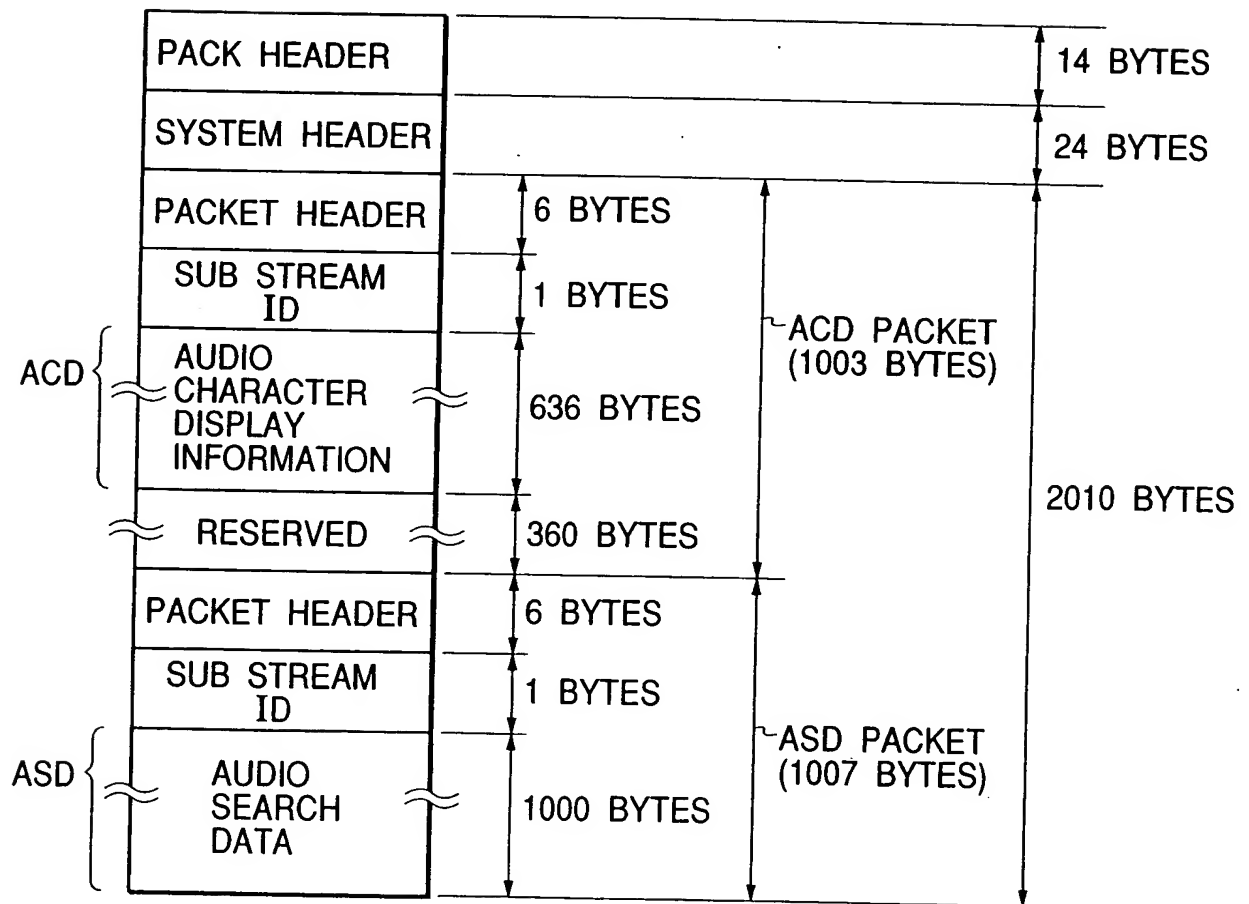
FIG. 15**AUDIO CONTROL PACK (2048 BYTES)**

FIG. 16

ACD (636 BYTES)

GENERAL INFORMATION	48 BYTES	
NAME SPACE	93 BYTES	93 BYTES
FREE SPACE 1	93 BYTES	93 BYTES
FREE SPACE 2	93 BYTES	93 BYTES
DATA POINTER	15 BYTES	15 BYTES
TOTAL	294 BYTES	294 BYTES
	FIRST LANGUAGE	SECOND LANGUAGE

FIG. 17

キョクモクカイセツ
 前作のエディング曲
 " FORGET-ME-NOT "

FIG. 18

ASD (1000 BYTES)

GENERAL	16 BYTES
PRESENT NUMBER	8 BYTES
PRESENT TIME	16 BYTES
TITLE SET SEARCH	8 BYTES
TITLE SEARCH	8 BYTES
TRACK SEARCH	404 BYTES
INDEX SEARCH	408 BYTES
HIGHLIGHT SEARCH	80 BYTES
RESERVED	52 BYTES

FIG. 20

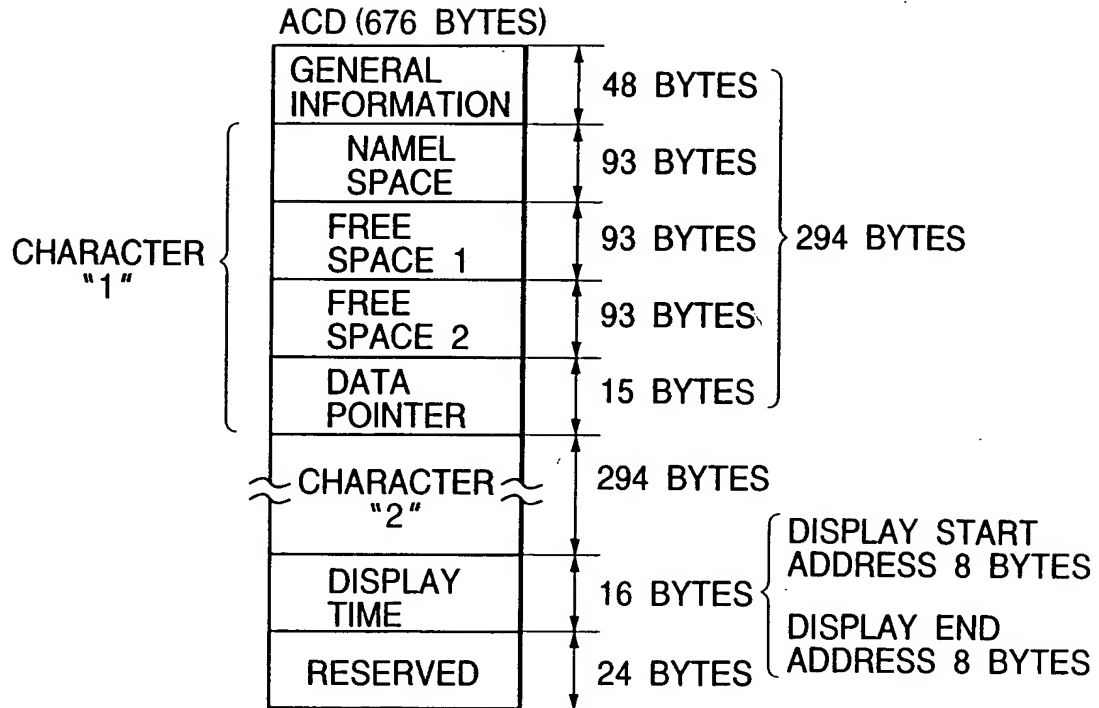


FIG. 21

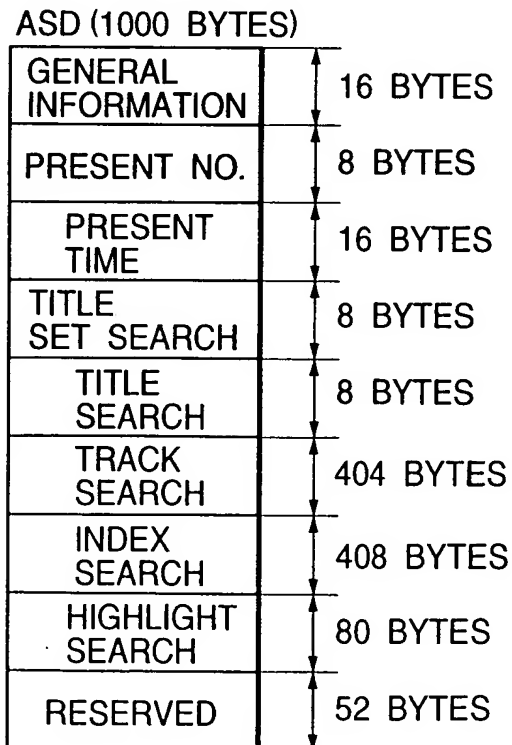
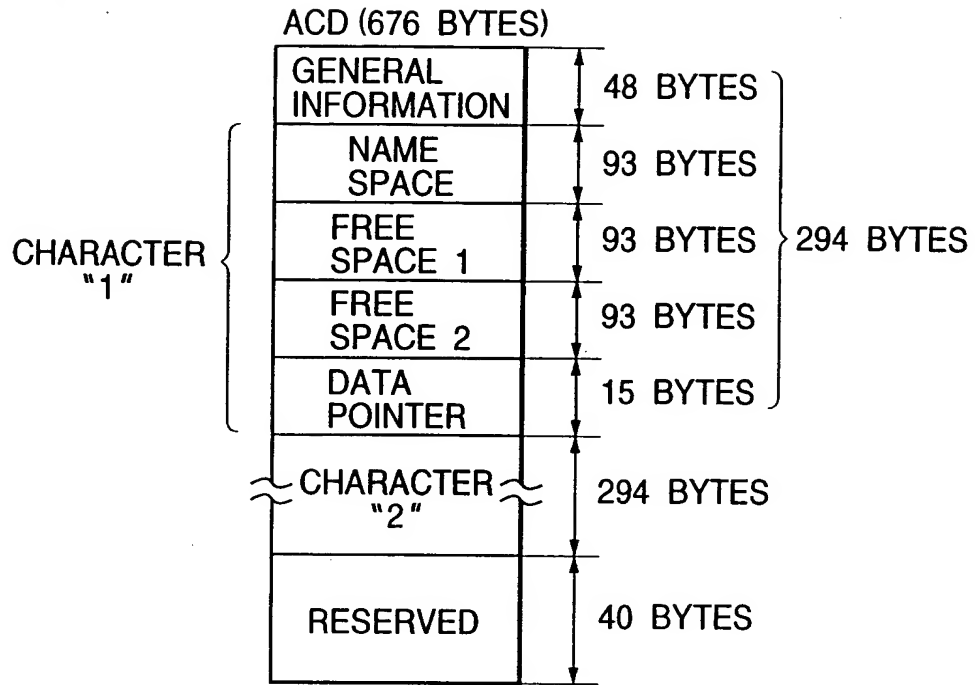
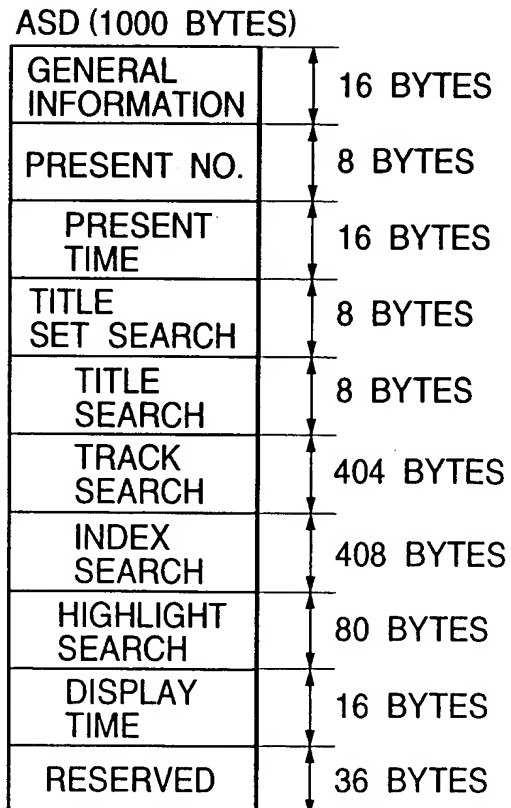


FIG. 22**FIG. 23**

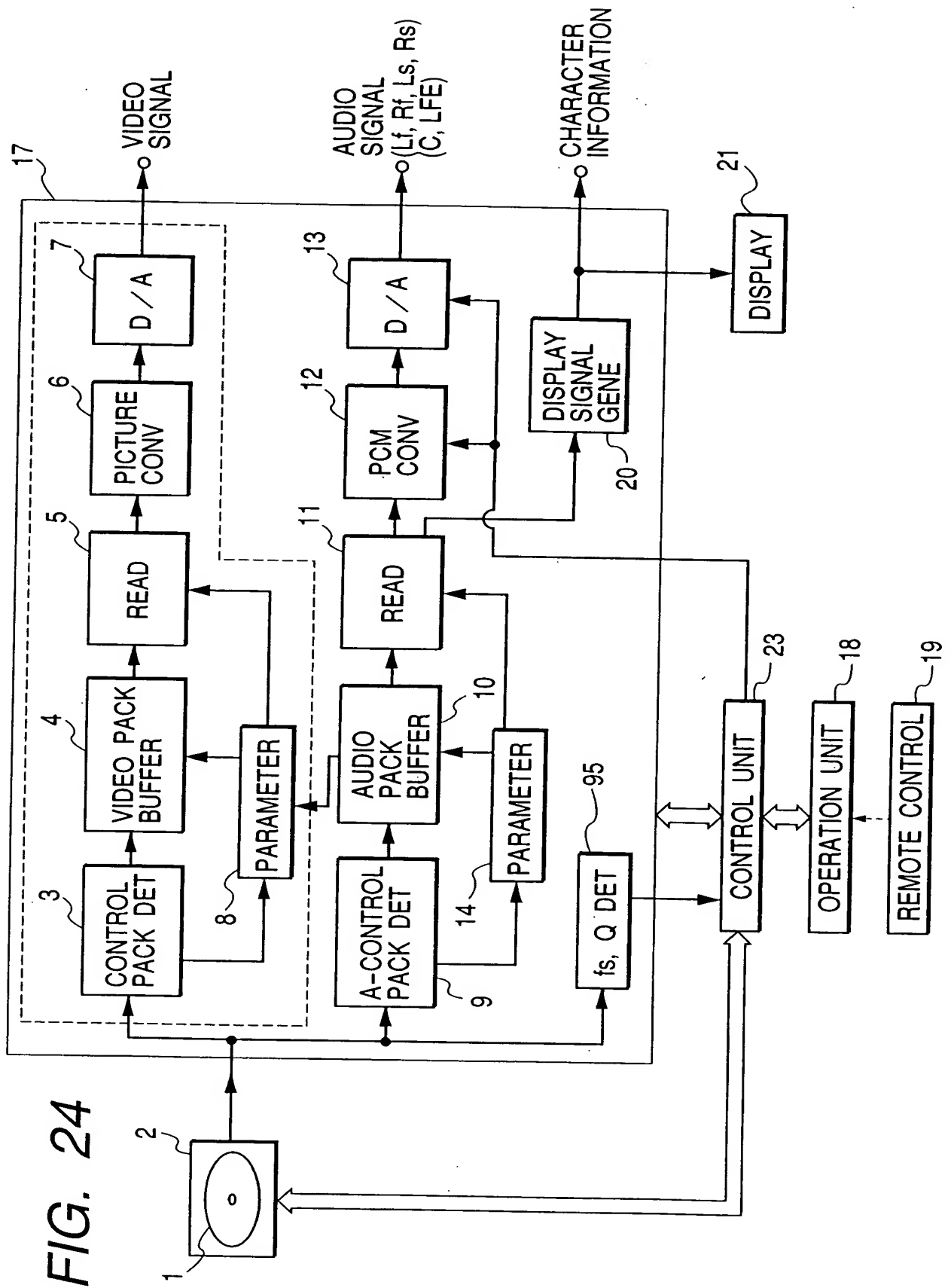


FIG. 25

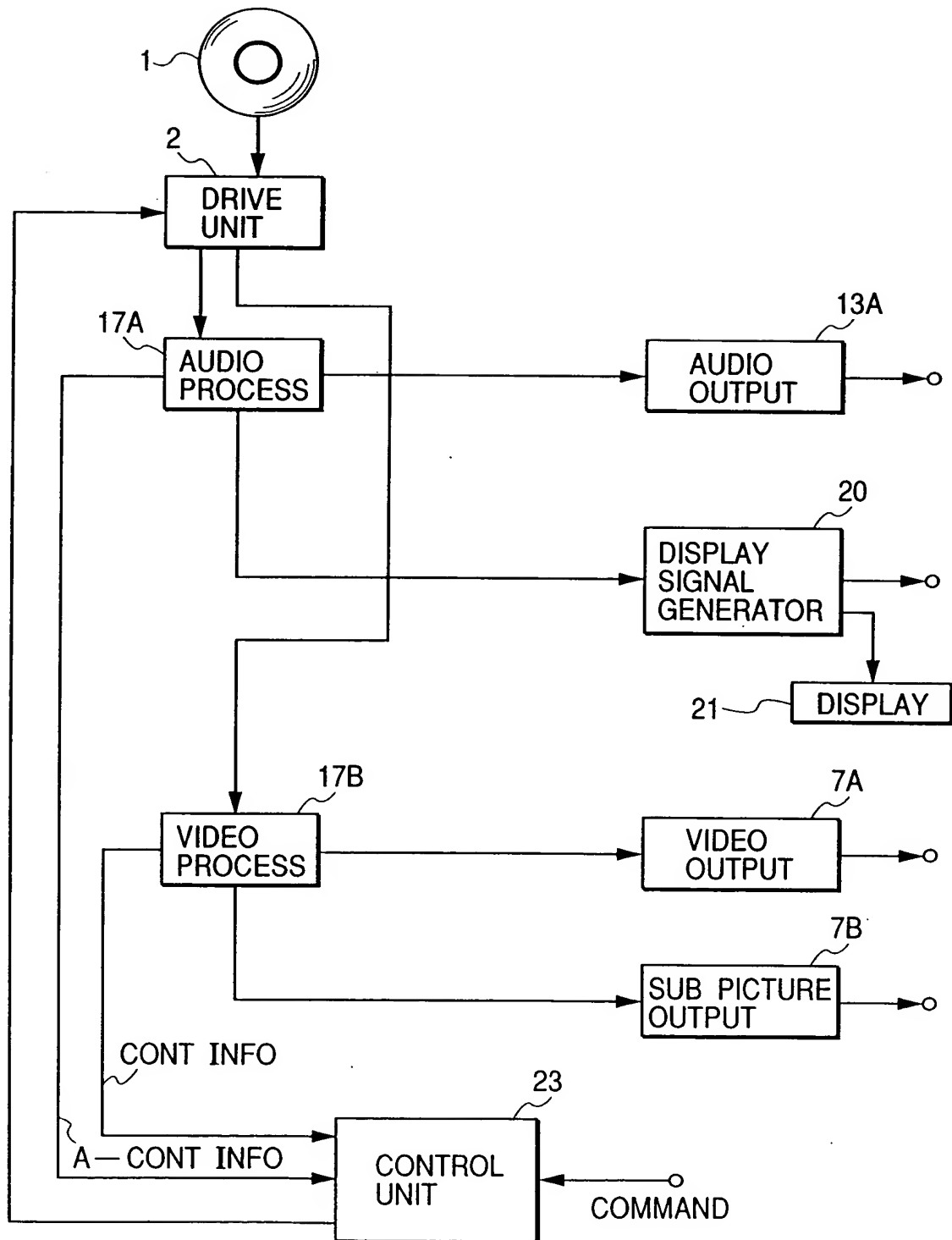


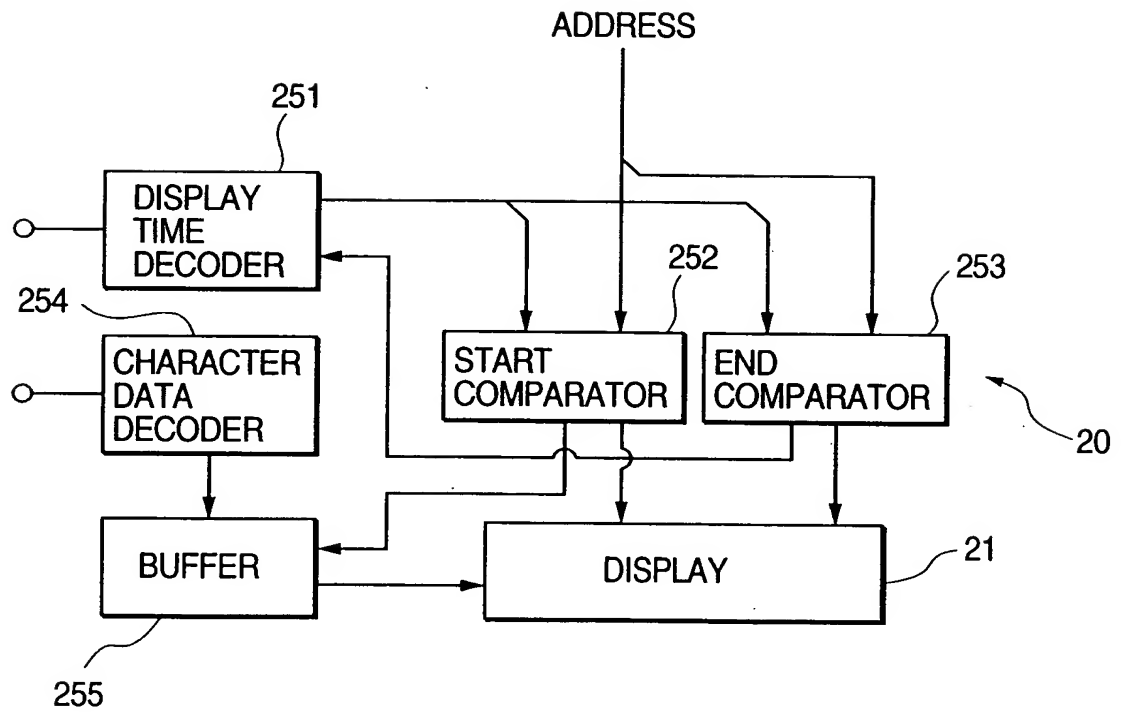
FIG. 26

FIG. 27

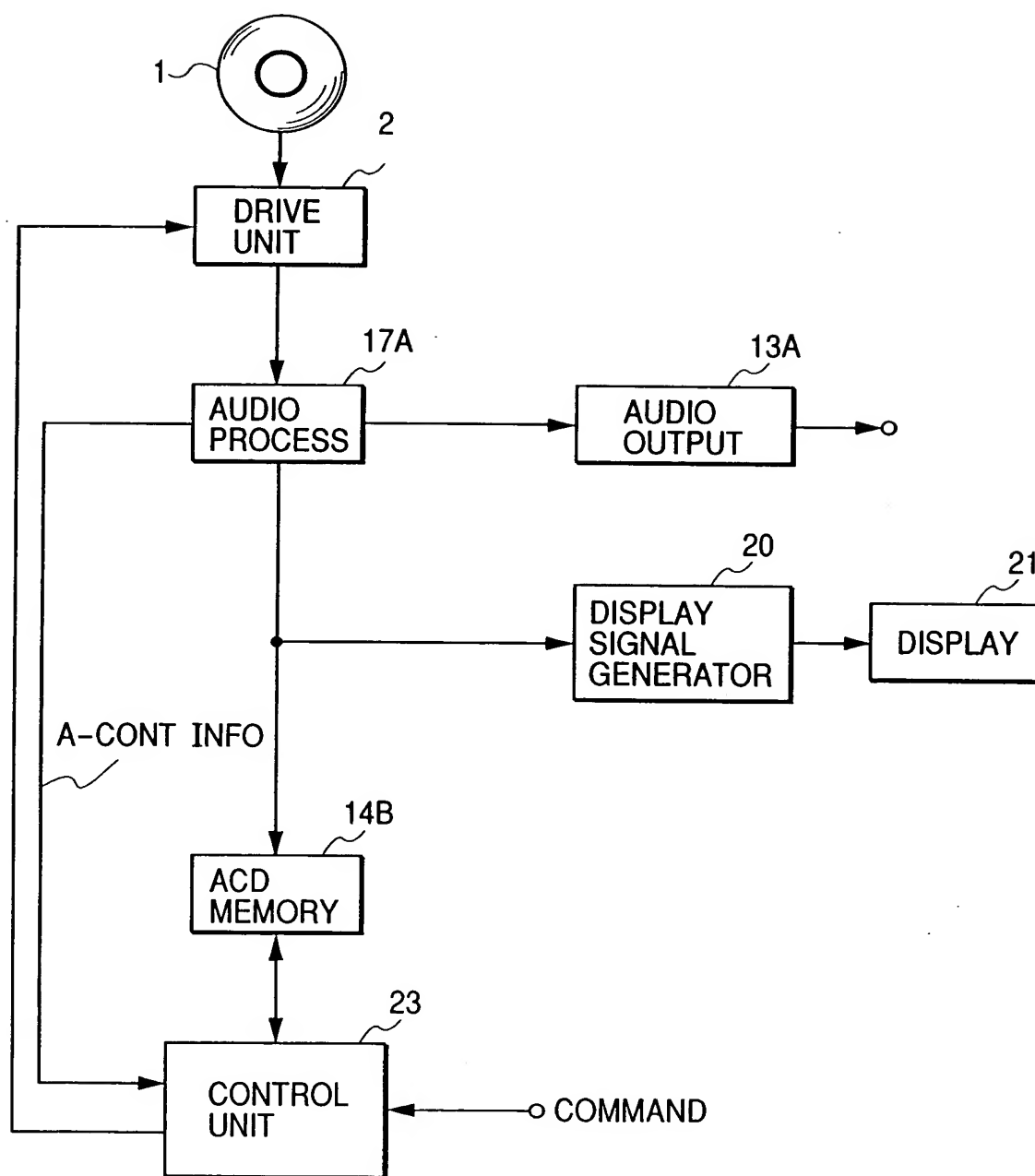


FIG. 28

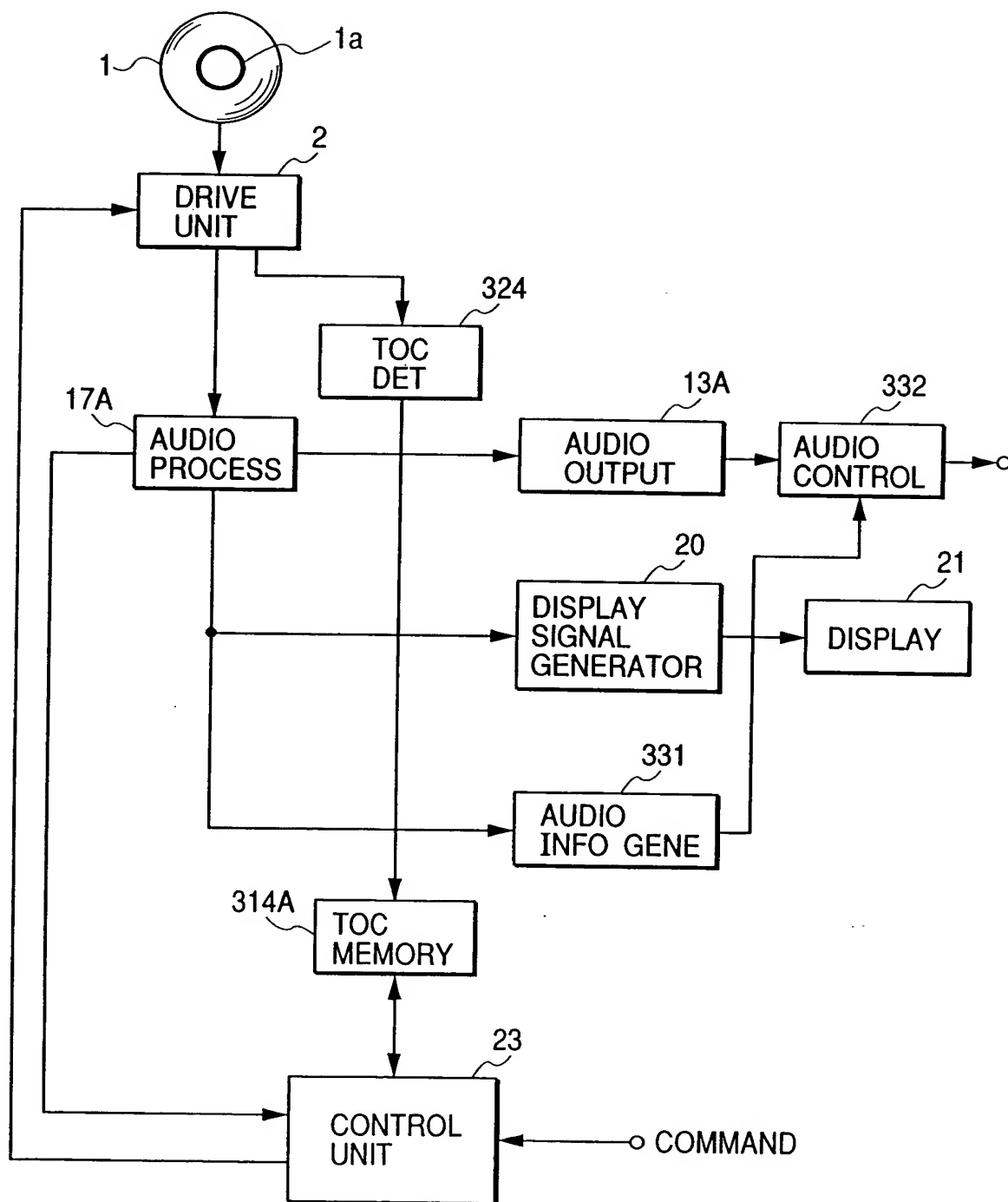


FIG. 29

AMGI (AUDIO MANAGER)
INFORMATION

AMGI-MAT (AMGI MANAGEMENT TABLE)
T-SRPT (TITLE SEARCH POINTER TABLE)
AMGM-PGCI-UT (AUDIO MANAGER MENU) (PGCI UNIT TABLE)
PTL-MAIT (PARENTAL MANAGEMENT) (INFORMATION TABLE)
ATS-ATRT (AUDIO TITLE SET) (ATTRIBUTE TABLE)
TXTDT-MG (TEXT DATA MANAGER)
AMGM-C-ADT (AMGM CELL ADDRESS TABLE)
AMGM-ACBU-ADMAP (AMGM-ACBU-ADDRESS MAP)
TOC

FIG. 30

FRAME NUMBER	POINT	PMIN, PSEC, PFRAME		
n	01	00,	02,	32
n+1	01	00,	02,	32
n+2	01	00,	02,	32
n+3	02	10,	15,	12
n+4	02	10,	15,	12
n+5	02	10,	15,	12
n+6	03	16,	28,	63
n+7	03	16,	28,	63
n+8	03	16,	28,	63
n+9	04			
n+10	04	.	.	
n+11	04	.	.	
n+12	05	.	.	
n+13	05	.	.	
n+14	05	.	.	
n+15	06	49,	10,	03
n+16	06	49,	10,	03
n+17	06	49,	10,	03
n+18	A0	01,	00,	00
n+19	A0	01,	00,	00
n+20	A0	01,	00,	00
n+21	A1	06,	00,	00
n+22	A1	06,	00,	00
n+23	A1	06,	00,	00
n+24	A2	52,	48,	41
n+25	A2	52,	48,	41
n+26	A2	52,	48,	41
n+27	01	00,	02,	32
n+28	01	00,	02,	32
.	.	.	.	
.	.	.	.	
.	.	.	.	

1 SET

FIG. 31

ATSI (AUDIO TITLE SET
INFORMATION)

ATSI-MAT (ATSI MANAGEMENT TABLE)
ATS-PTT-SRPT (ATS PART OF TITLE SEARCH POINTER TABLE)
ATS-PGCIT (ATS PROGRAM CHAIN INFORMATION TABLE)
ATSM-PGCI-UT (ATS MENU PROGRAM CHAIN UNIT TABLE)
ATS-TMAPT (ATS TIME MAP TABLE)
ATSM-C-ADT (ATS MENU CELL ADDRESS TABLE)
ATSM-ACBU-ADMAP (ATS MENU ACBU ADDRESS MAP)
ATS-C-ADT (ATS CELL ADDRESS TABLE)
ATS-ACBU-ADMAP (ATS-ACBU-ADDRESS MAP)
TOC

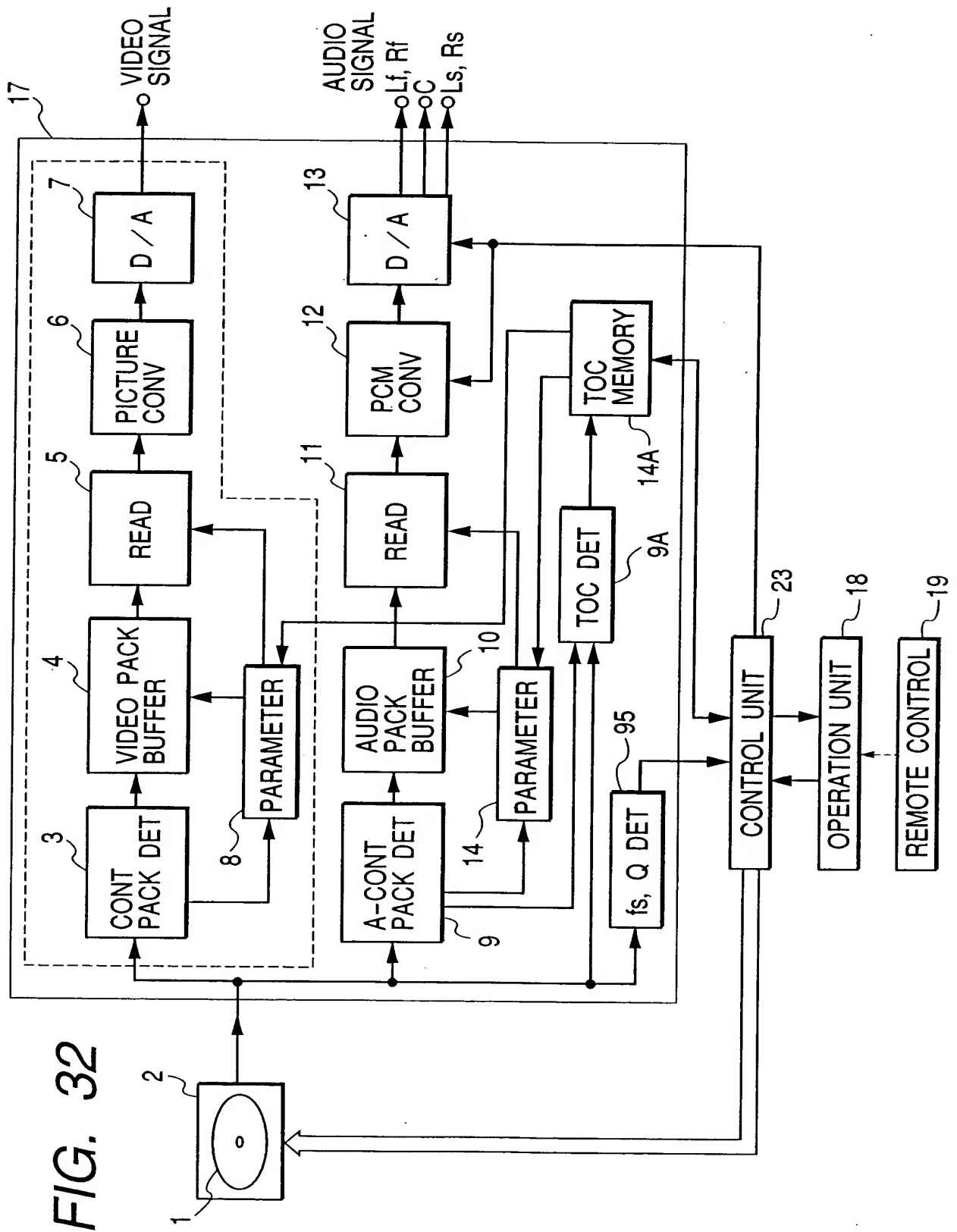


FIG. 33

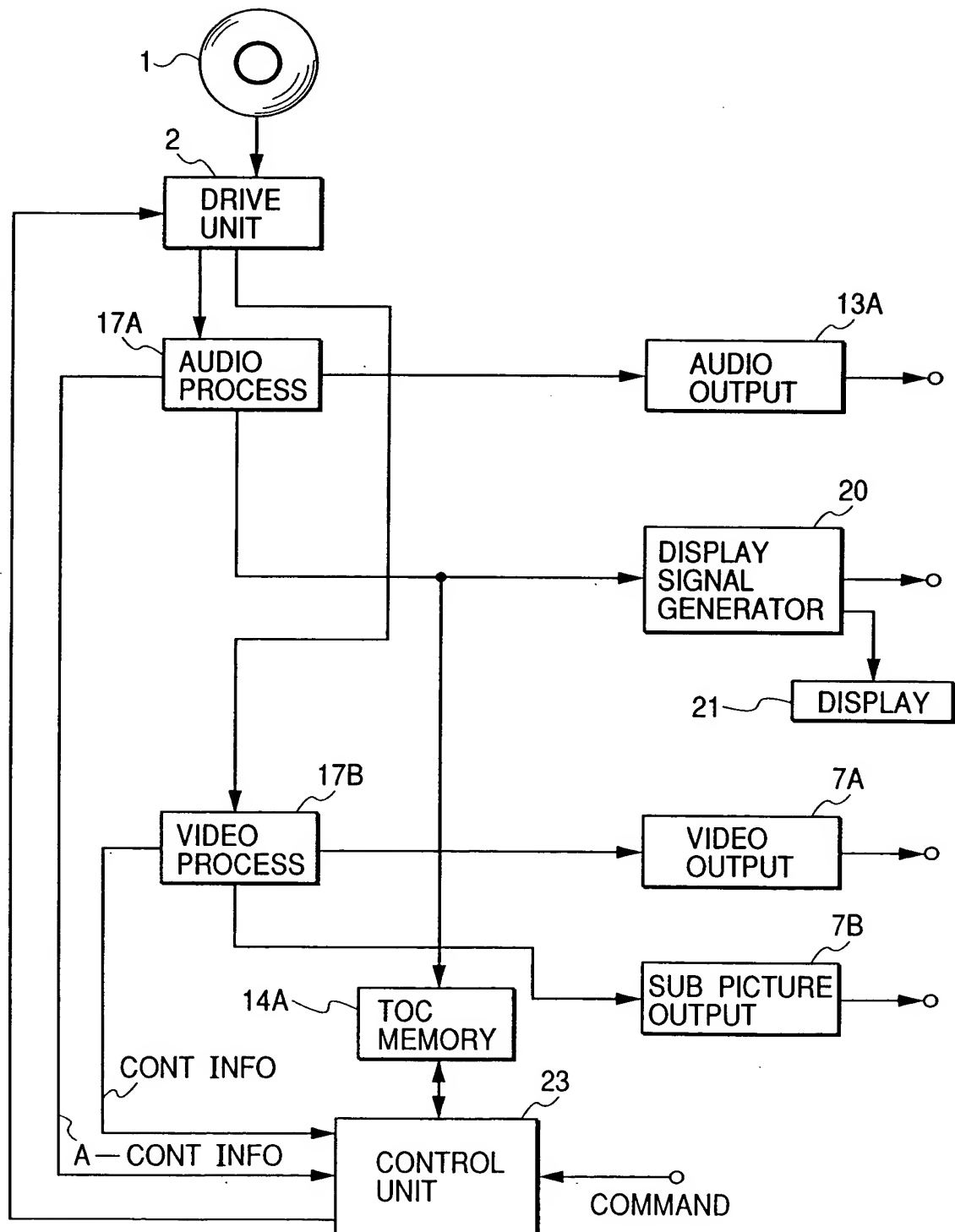


FIG. 34

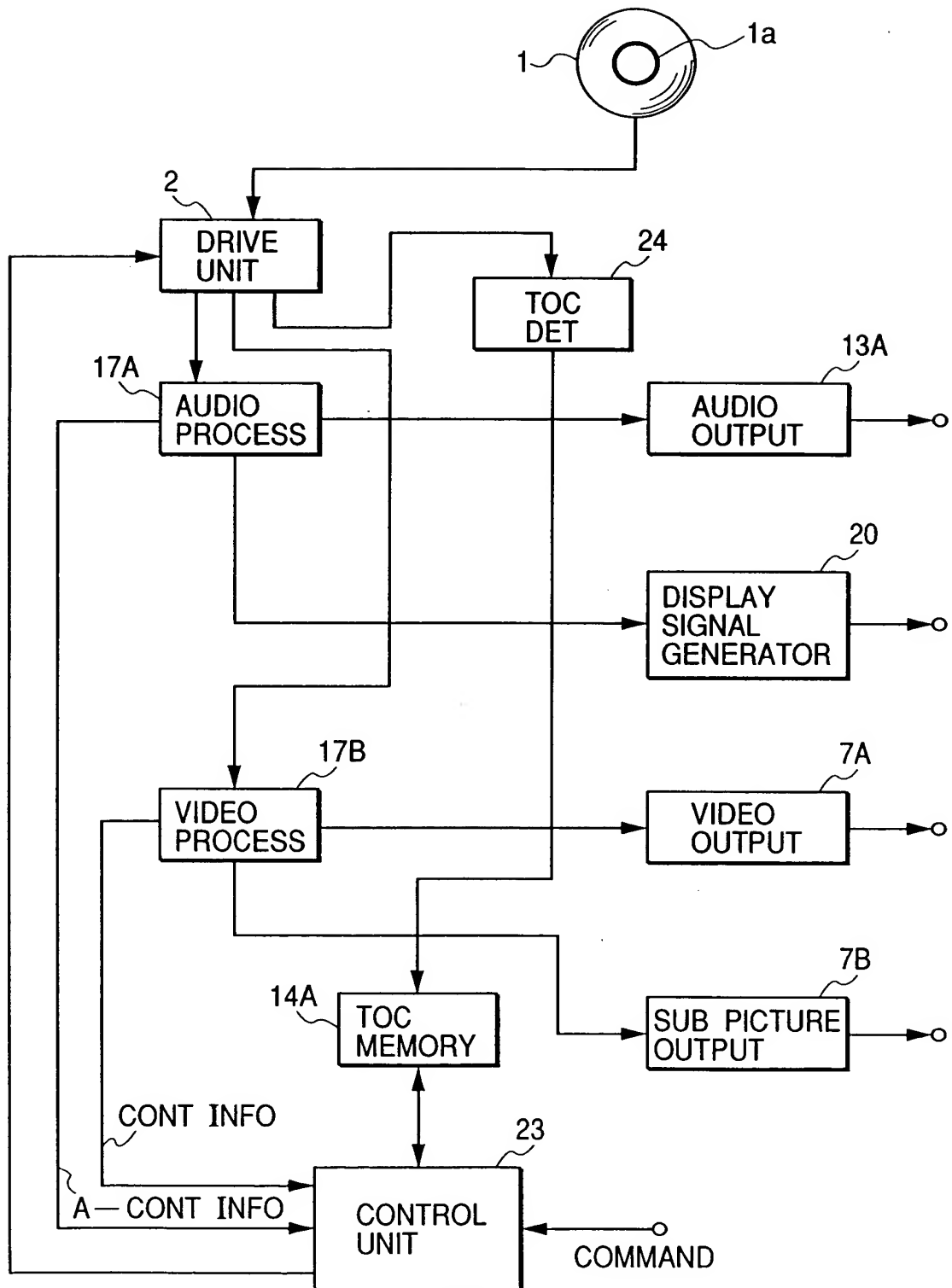


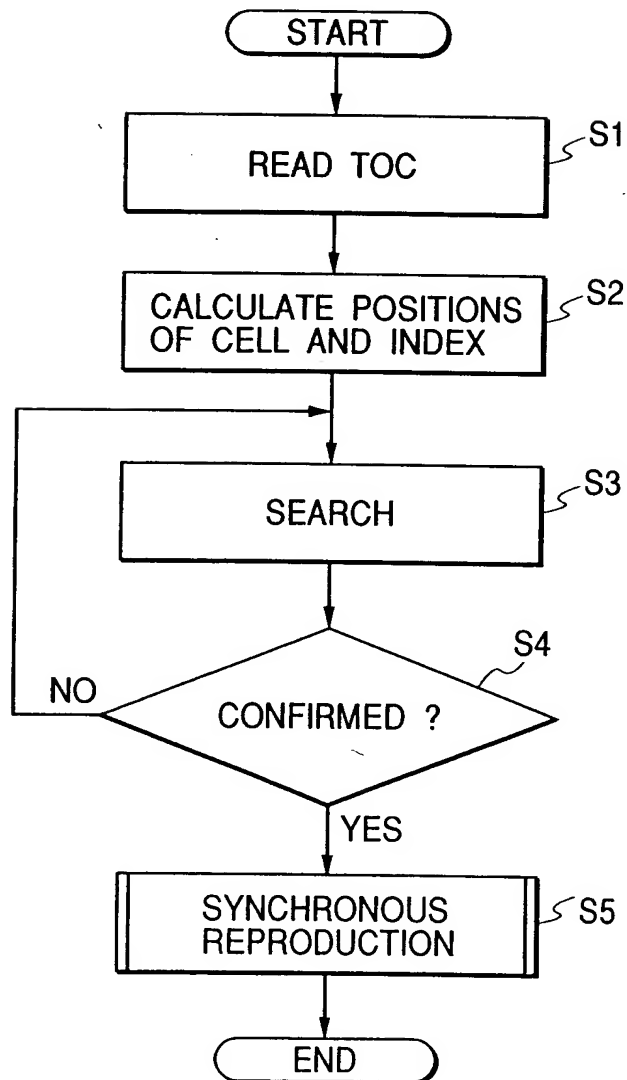
FIG. 35

FIG. 36

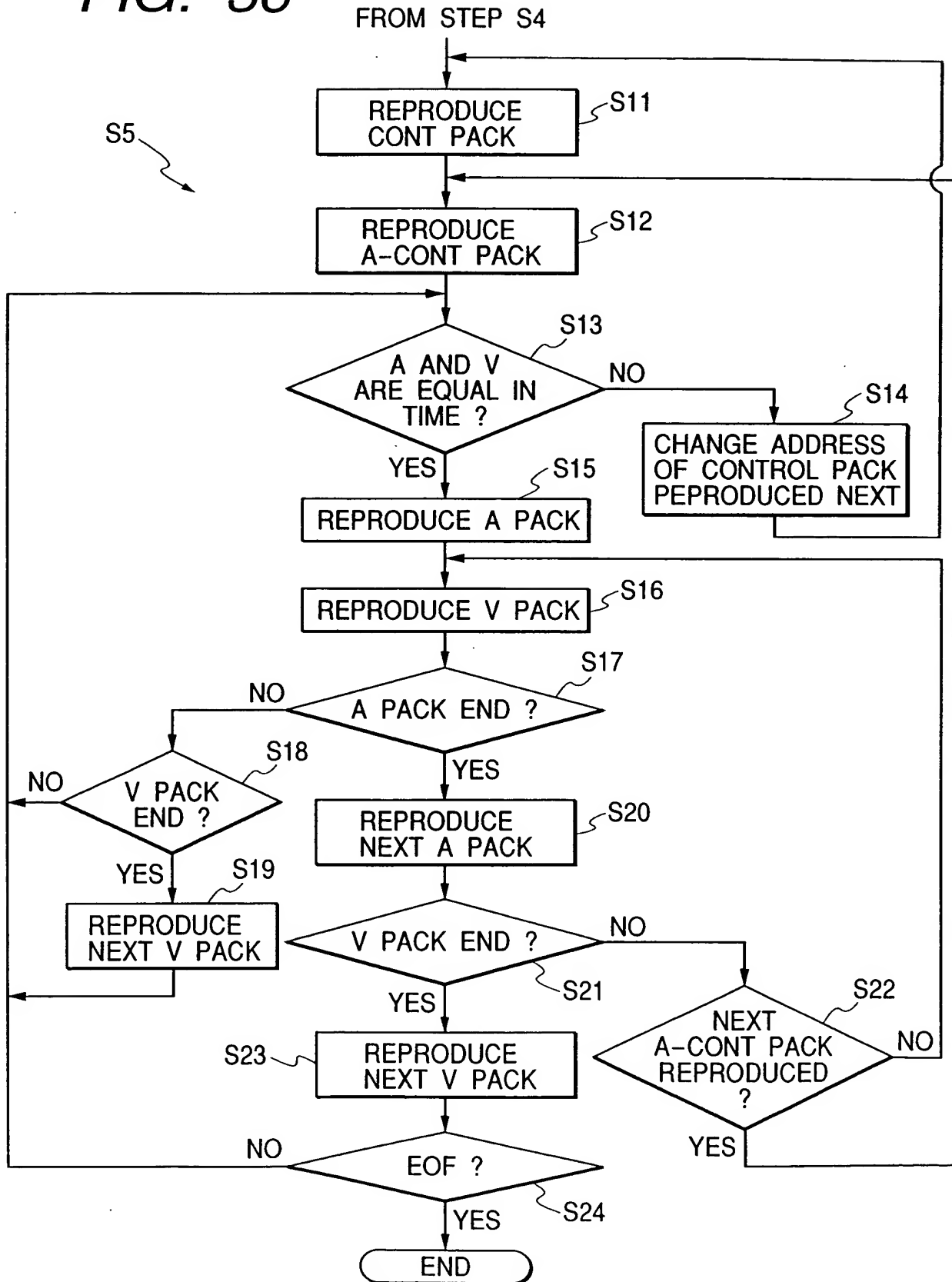


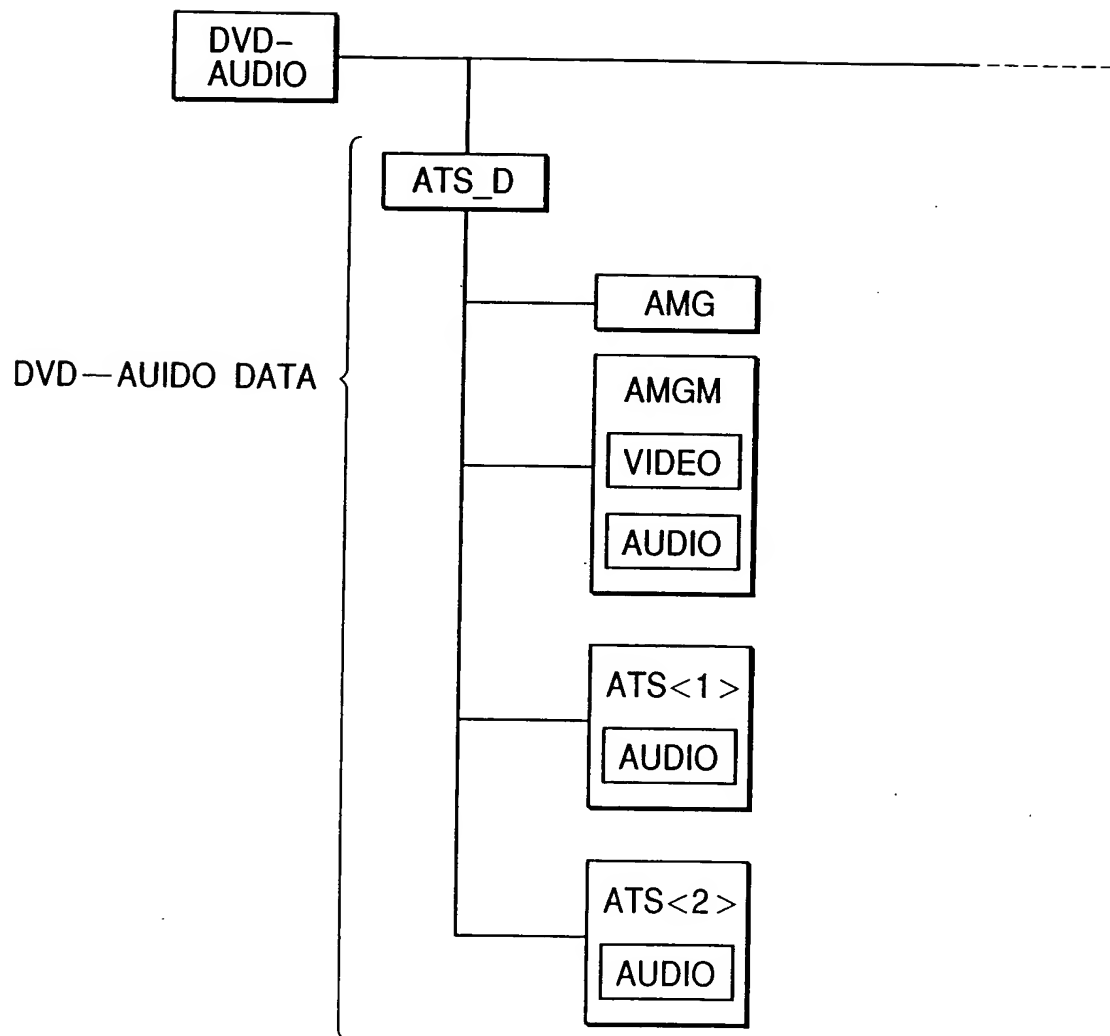
FIG. 37

FIG. 38

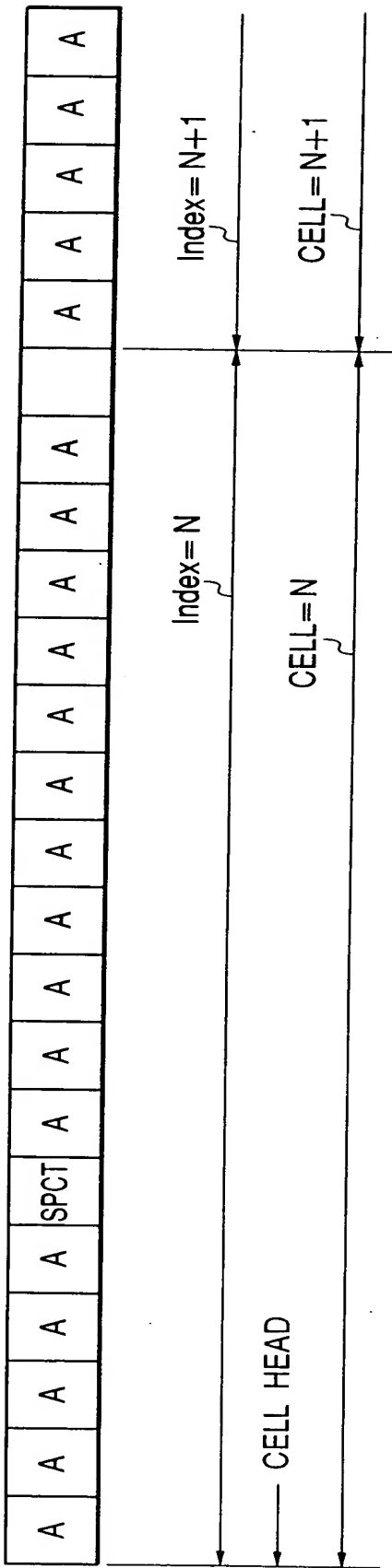


FIG. 39

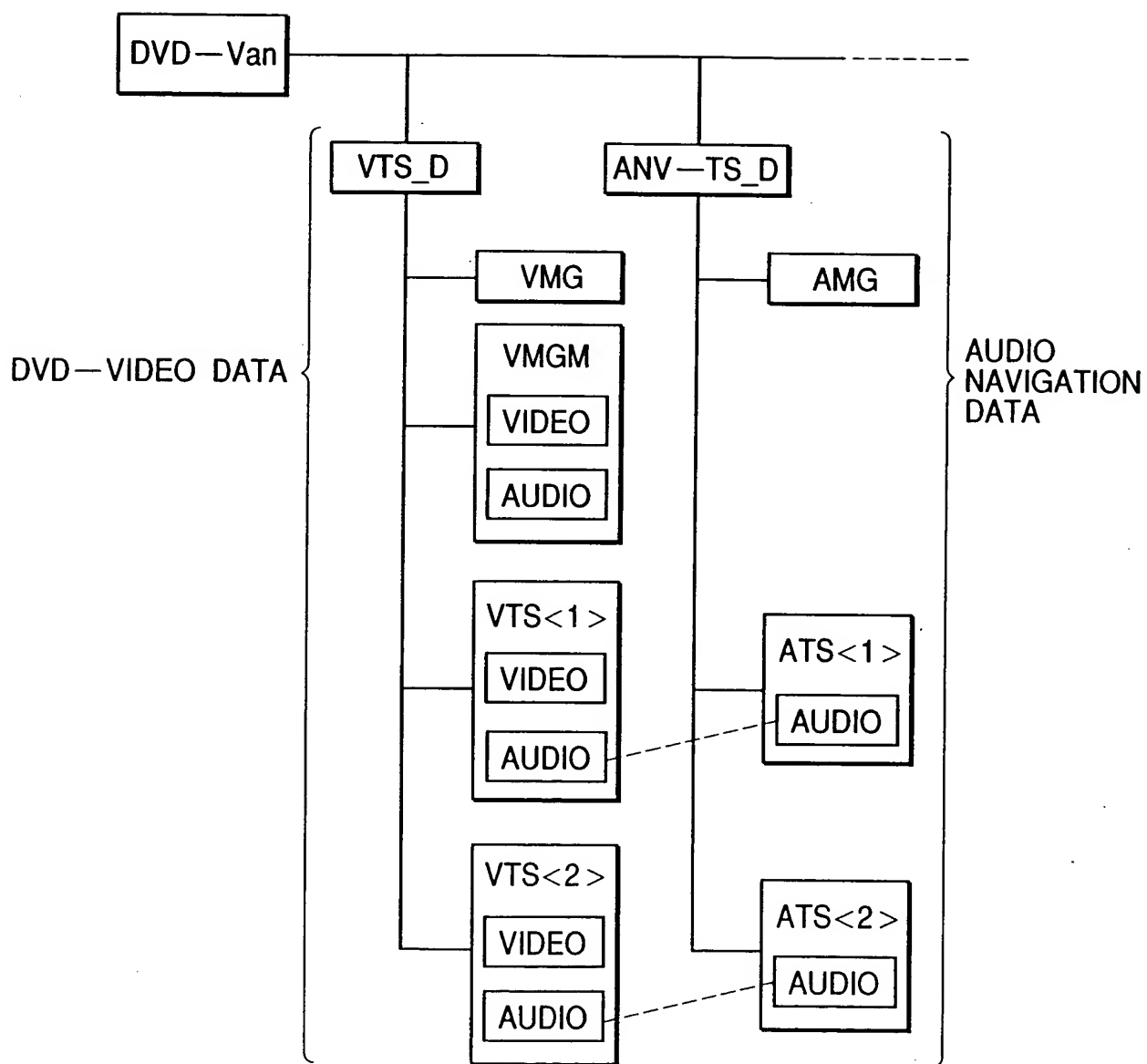


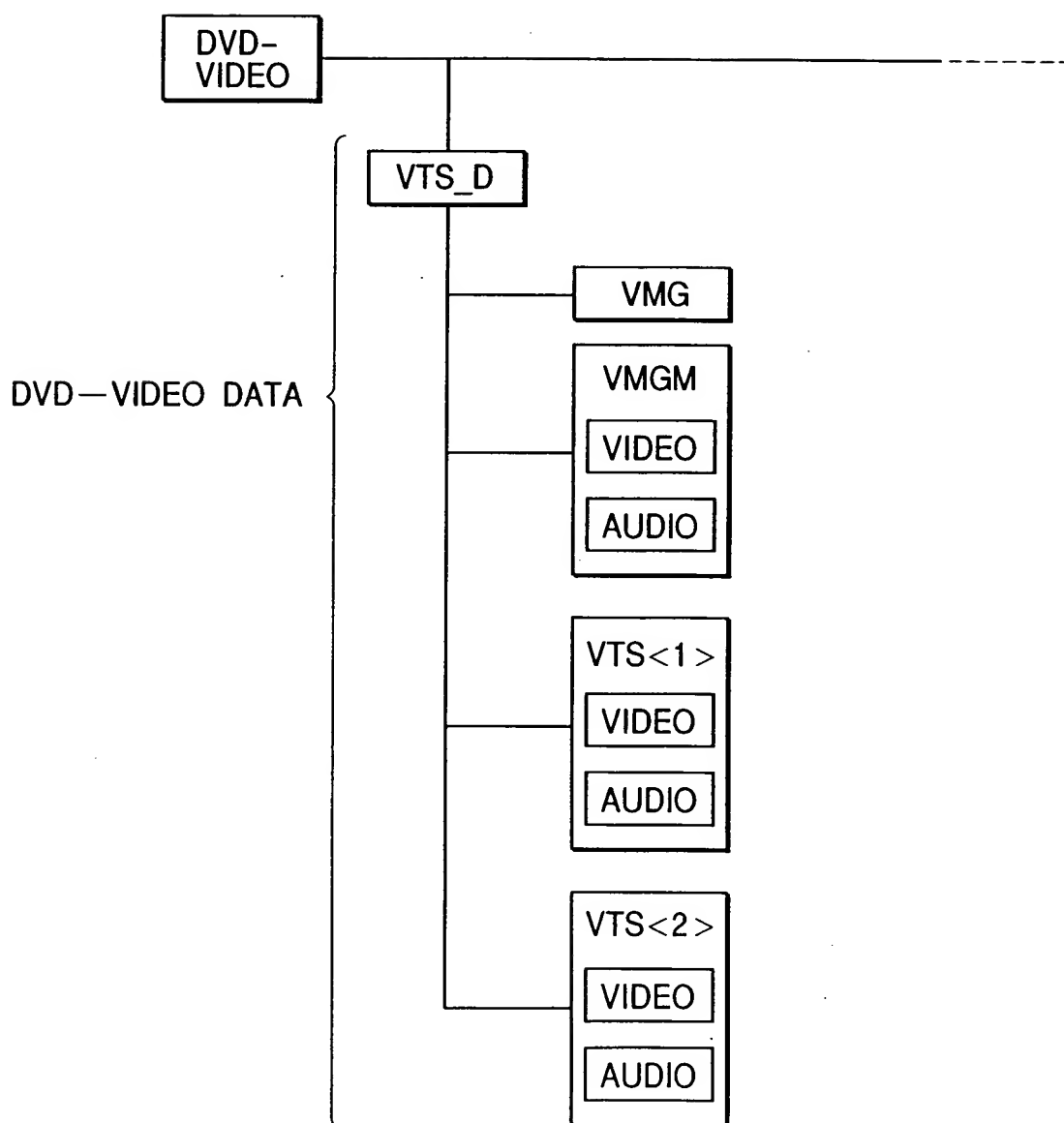
FIG. 40

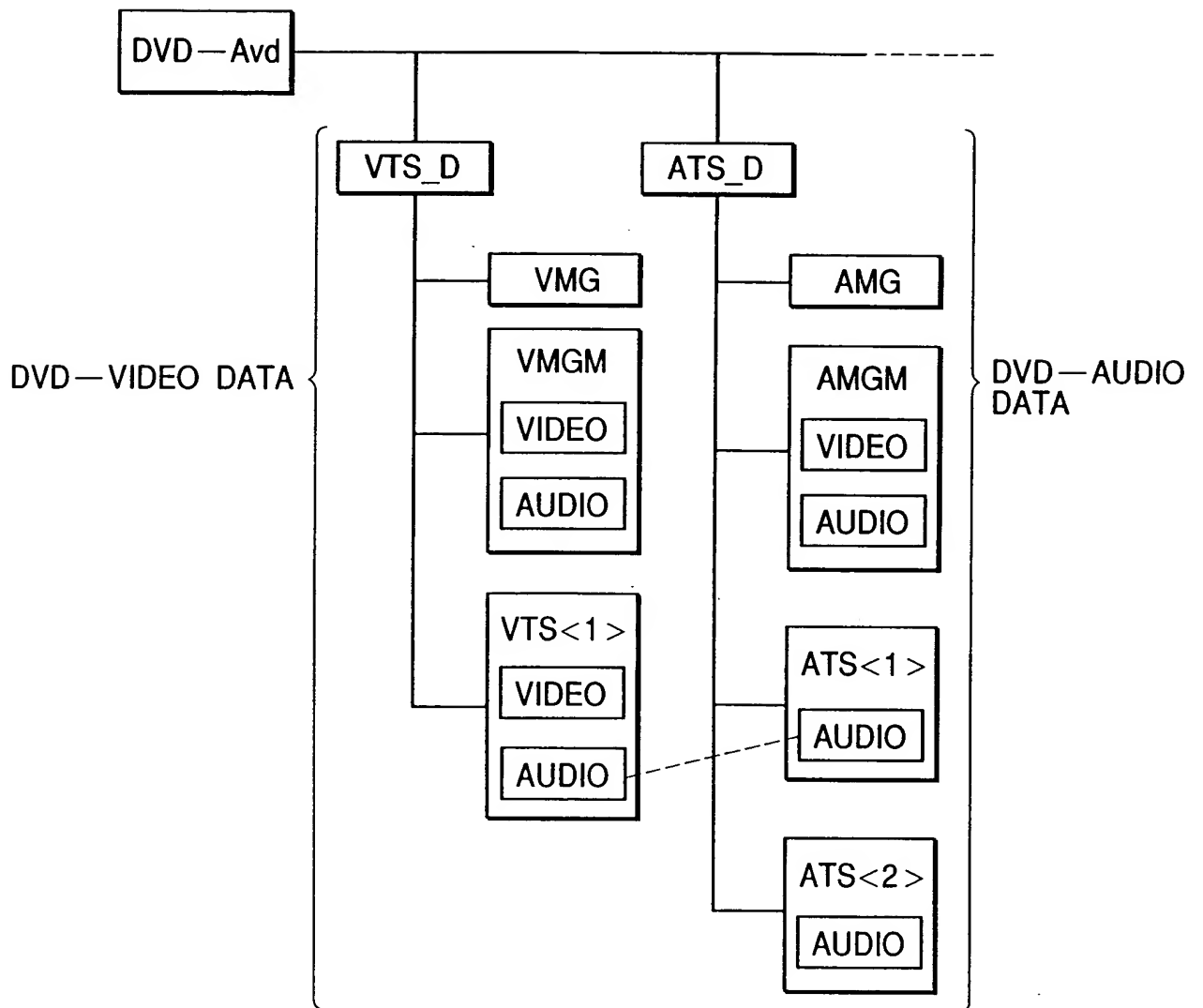
FIG. 41

FIG. 42

AOTT—AOB—ATR

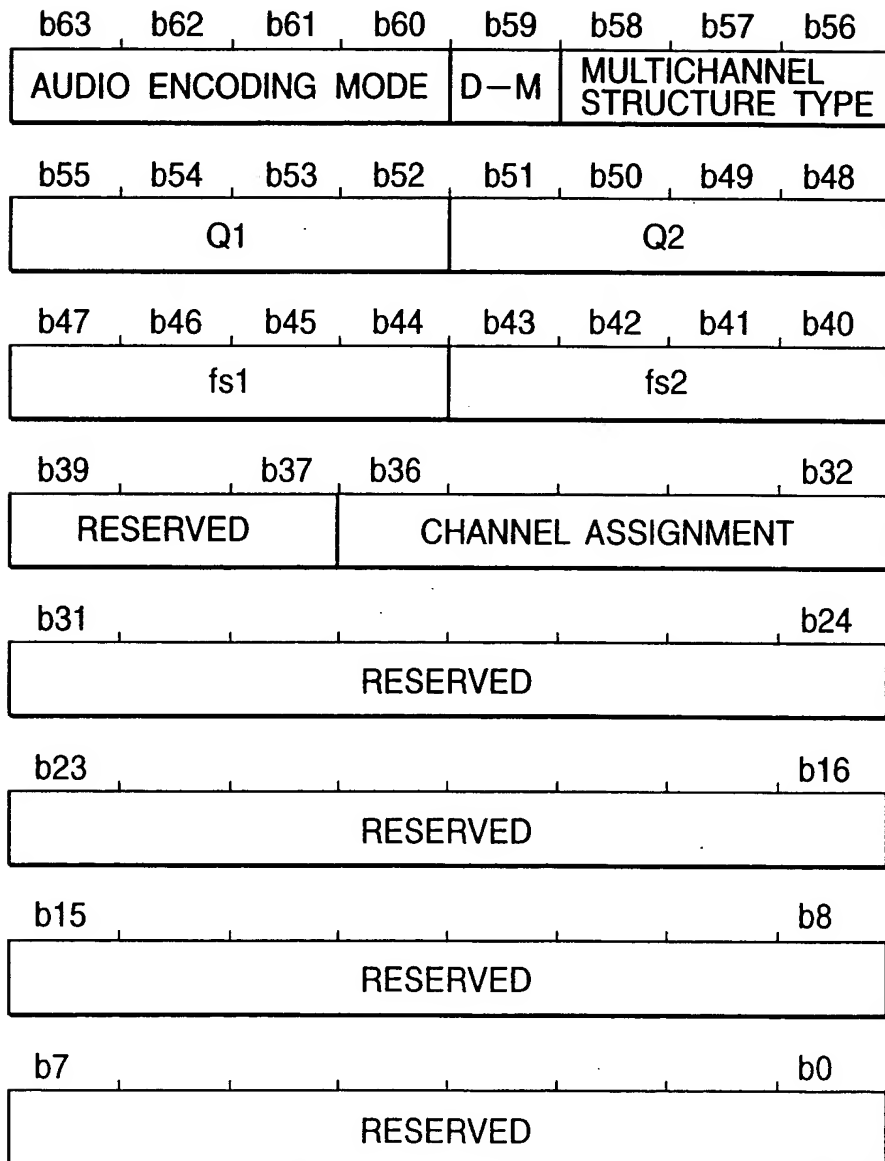


FIG. 43

LINEAR PCM PRIVATE HEADER

FIELD	BIT NUMBER	BYTE NUMBER
SUB STREAM ID	8	1
RESERVED	4	2
ISRC NUMBER	4	
ISRC DATA	8	
PRIVATE HEADER LENGTH	8	1
FIRST ACCESS UNIT POINTER	16	2
AUDIO EMPHASIS FLAG F1	1	1
AUDIO EMPHASIS FLAG F2	1	
RESERVED	1	
DOWN MIX CODE	5	
QUANTIZATION WORD LENGTH 1	4	1
QUANTIZATION WORD LENGTH 2	4	
AUDIO SAMPLING FREQUENCY f_s 1	4	1
AUDIO SAMPLING FREQUENCY f_s 2	4	
RESERVED	4	1
MULTICHANNEL TYPE	4	
CHANNEL ASSIGNMENT 1	4	1
CHANNEL ASSIGNMENT 2	4	
DYNAMIC RANGE CONTROL	8	1
STUFFING BYTE	—	0—7

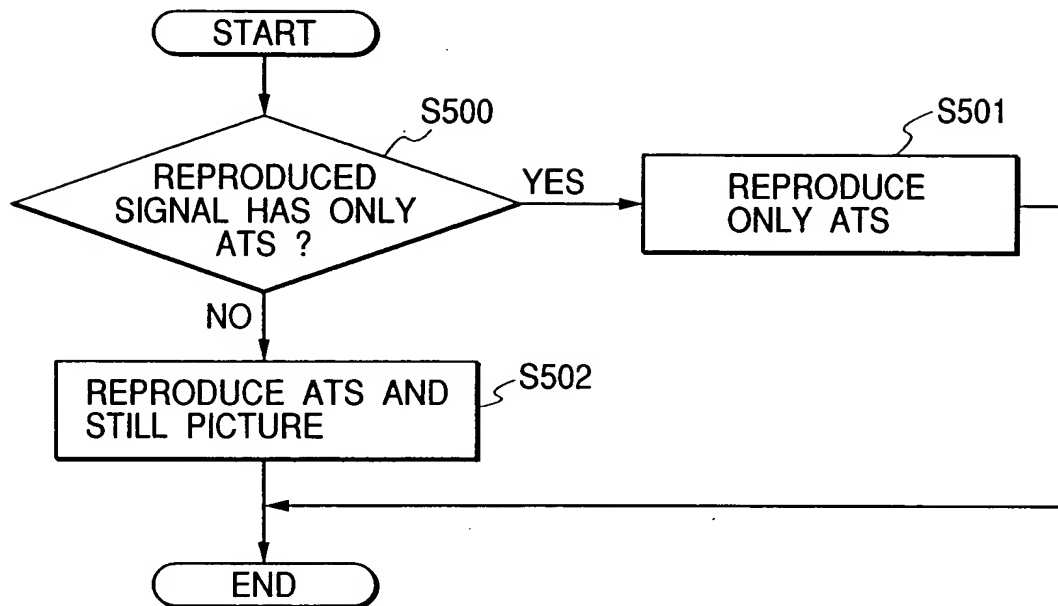
FIG. 44

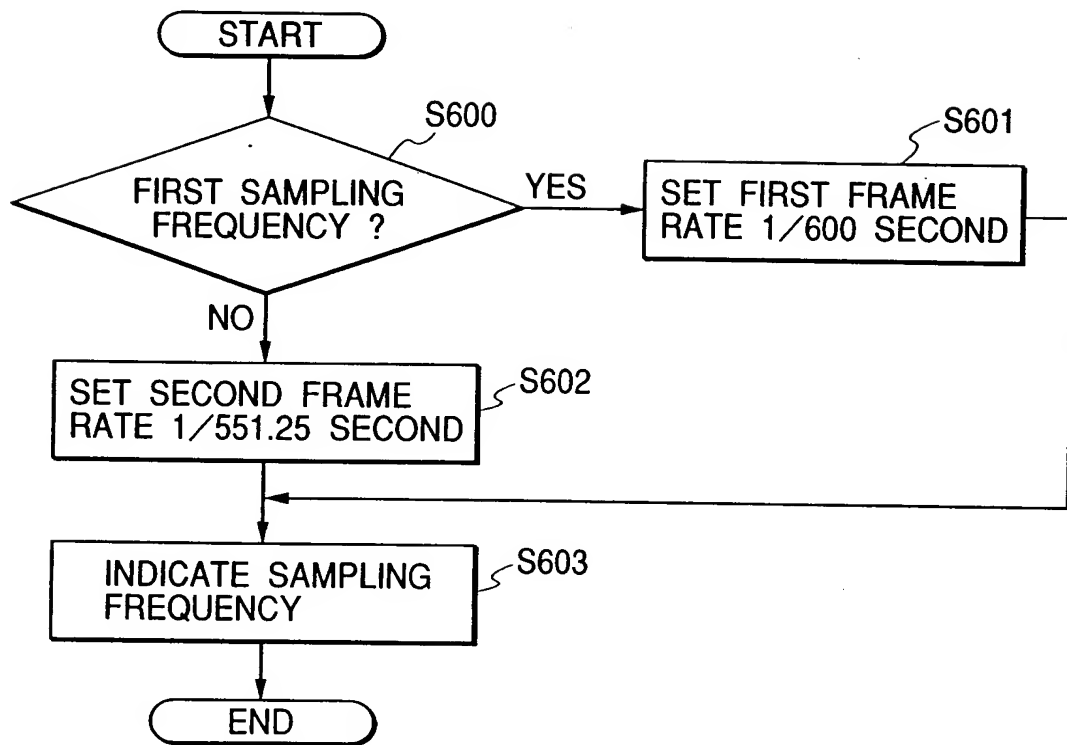
FIG. 45

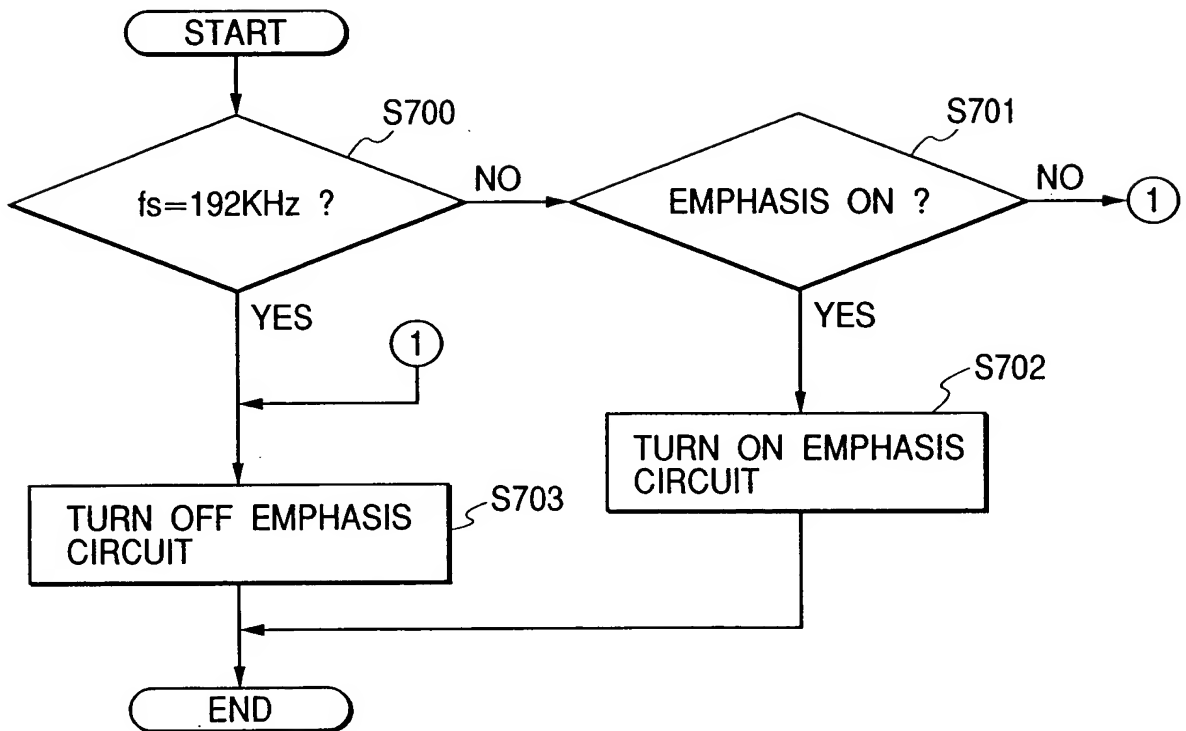
FIG. 46

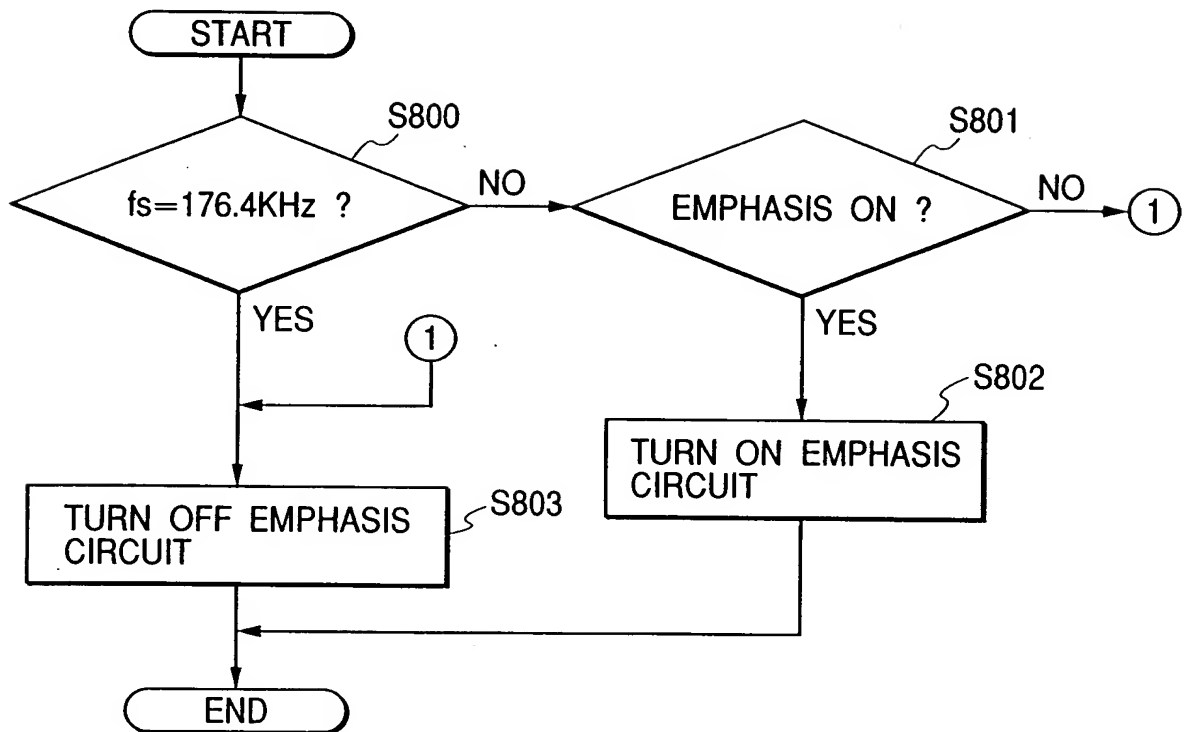
FIG. 47

FIG. 48

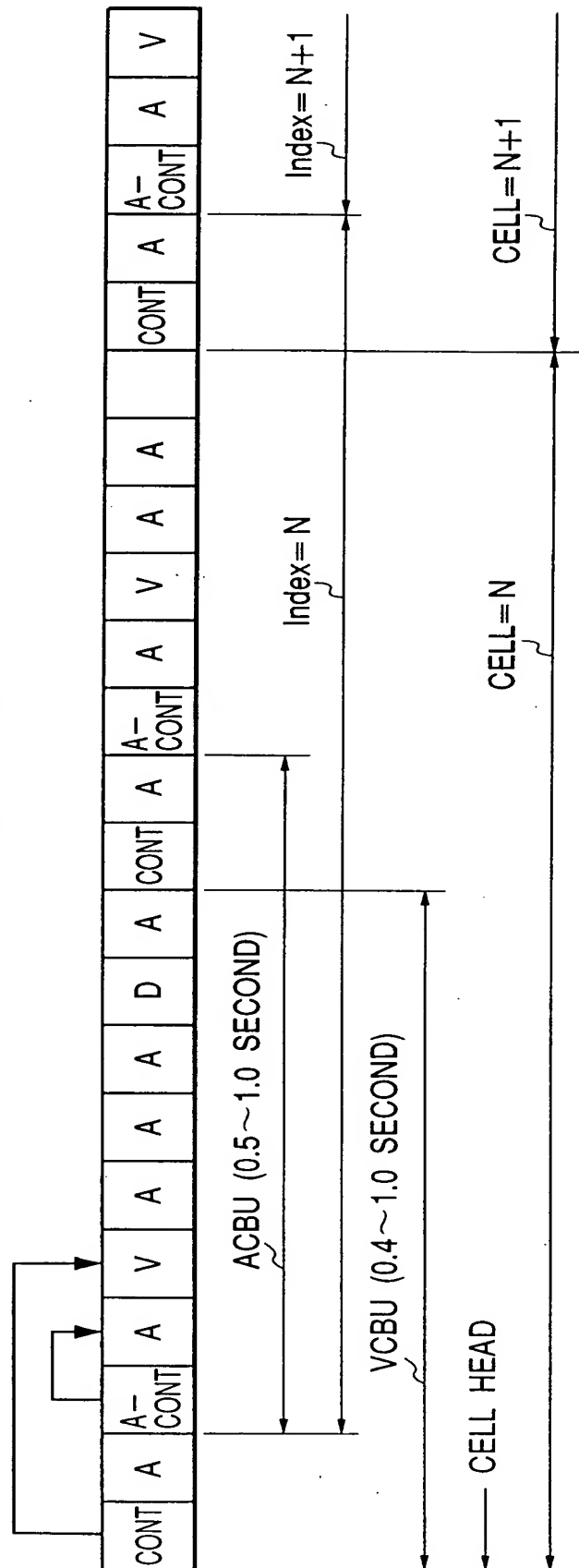


FIG. 50

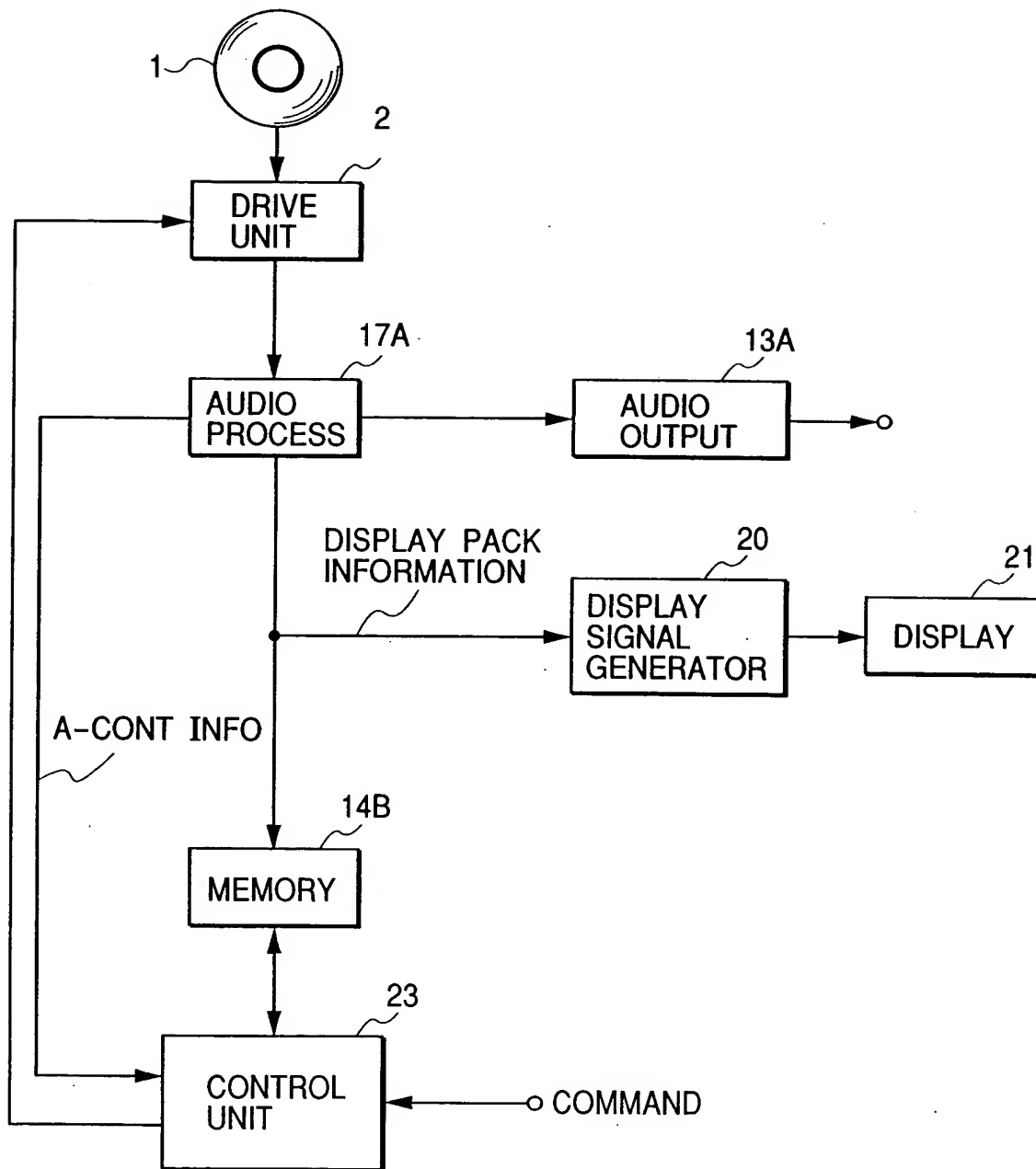


FIG. 51

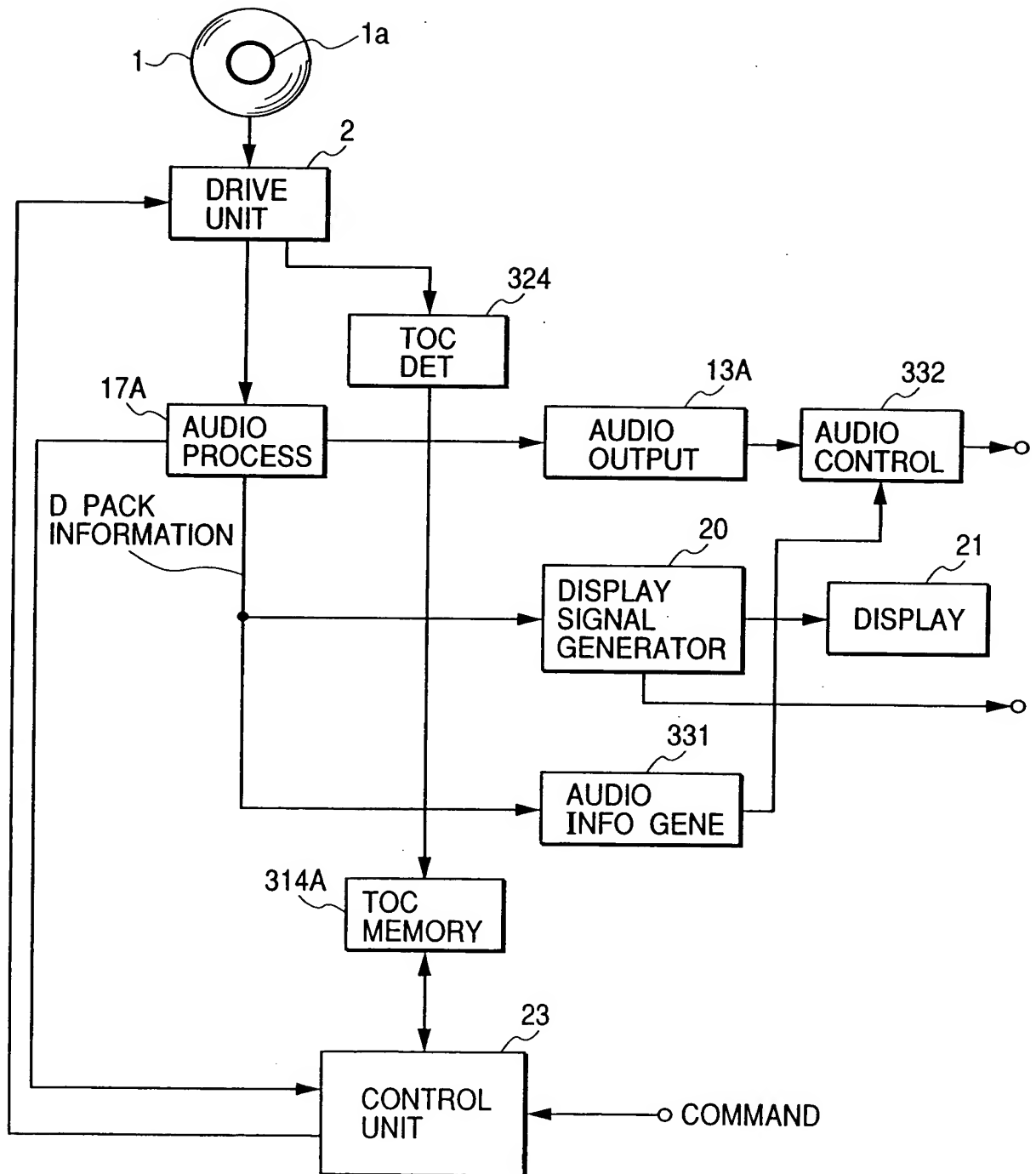


FIG. 52

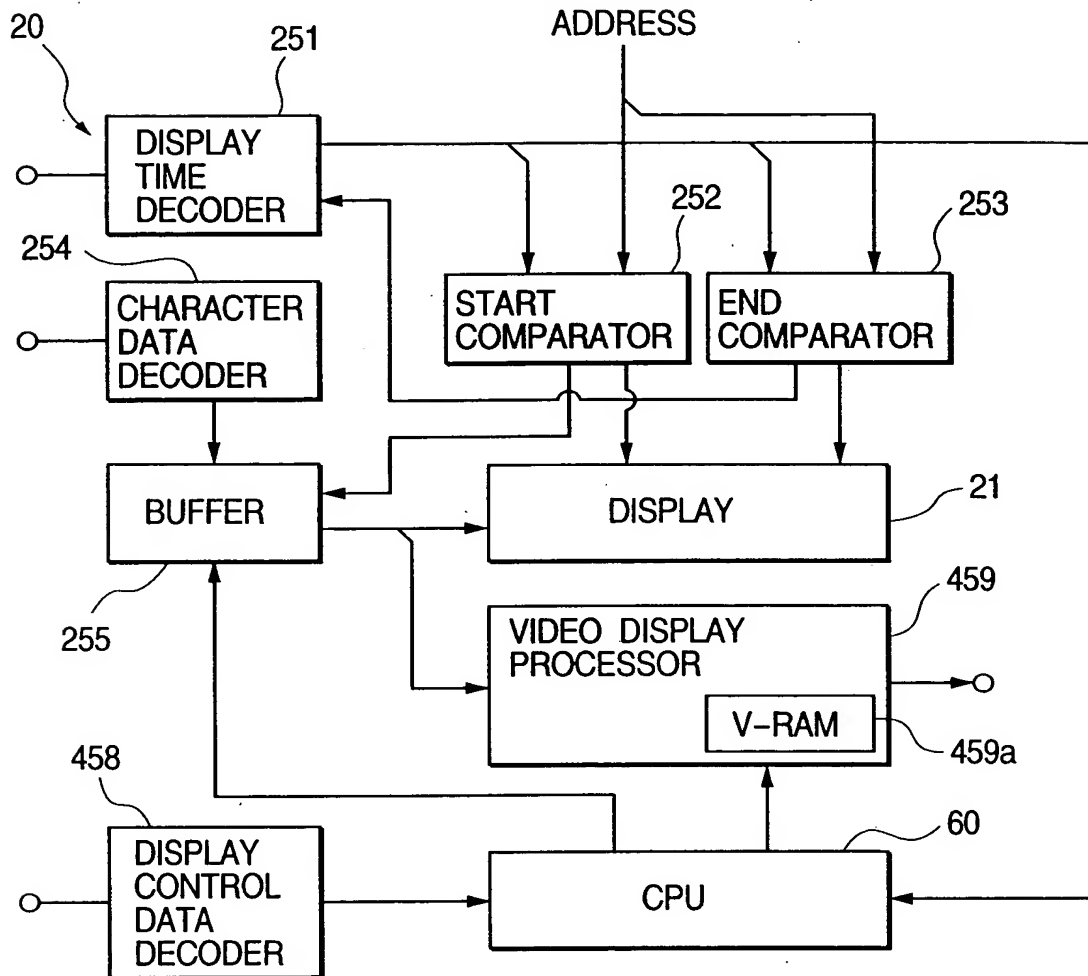


FIG. 53

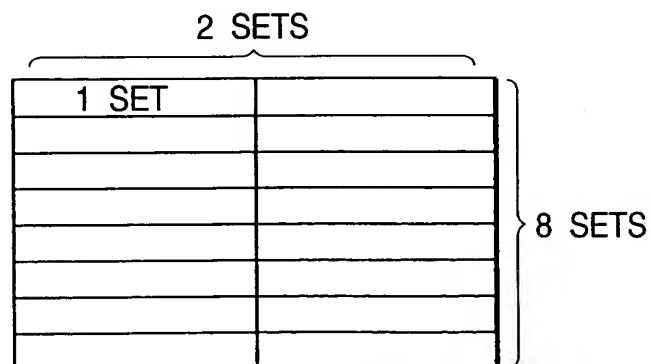


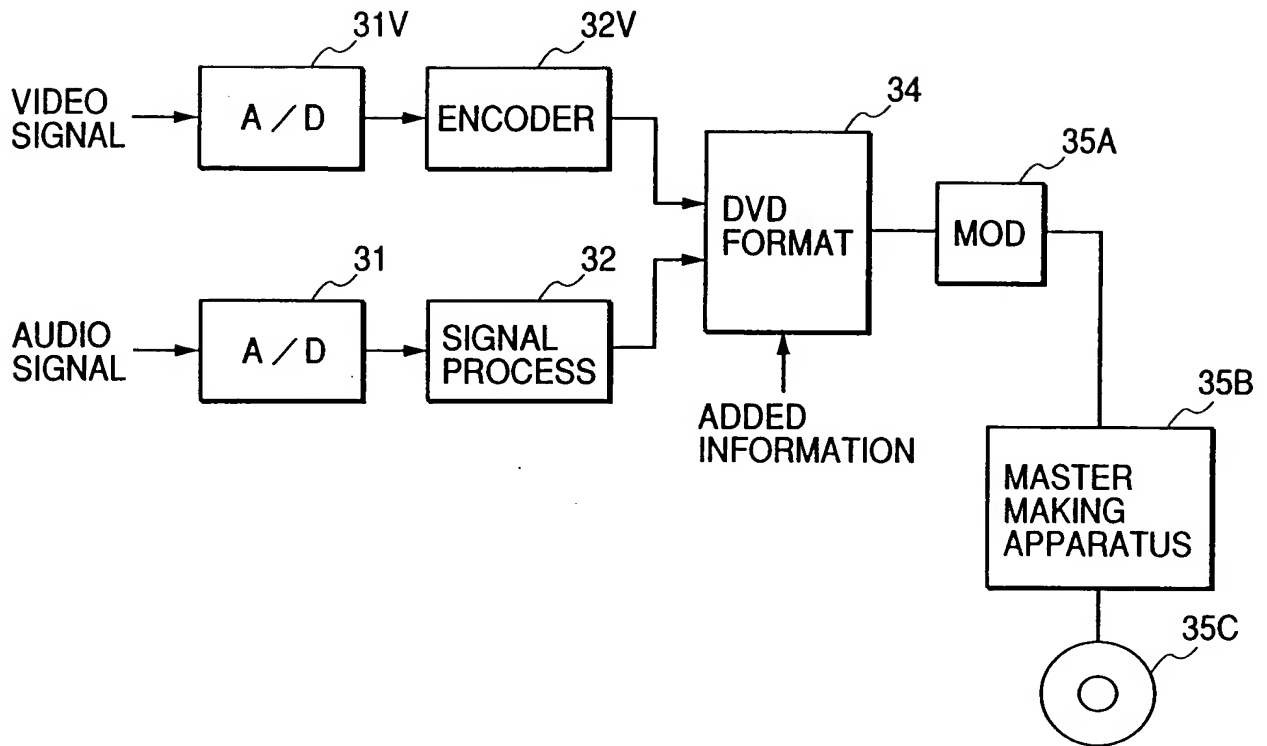
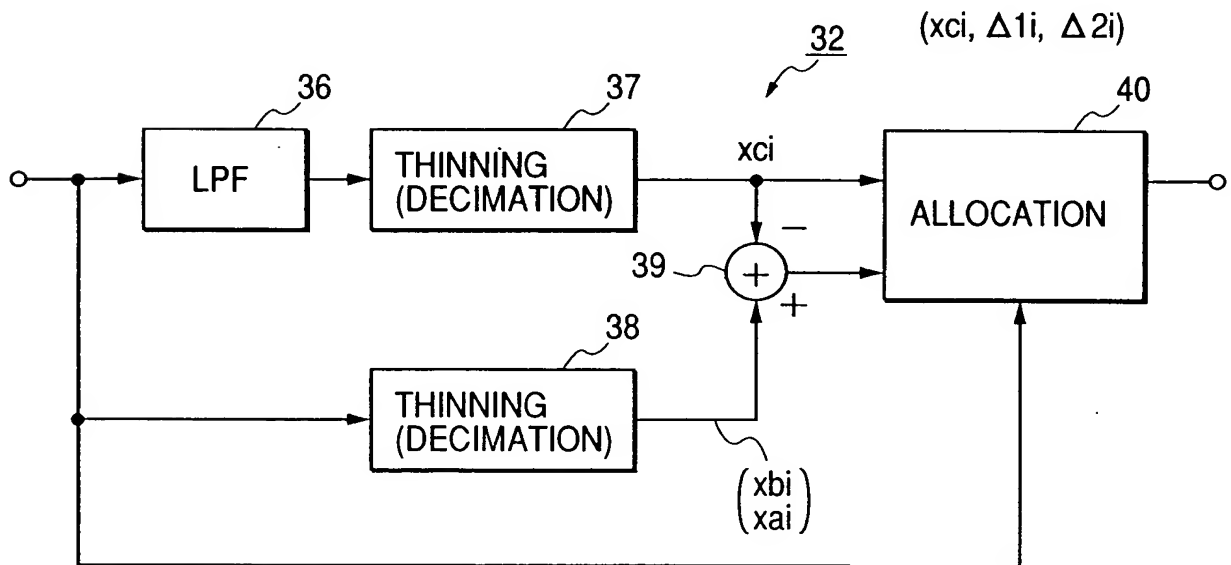
FIG. 54**FIG. 55**

FIG. 56

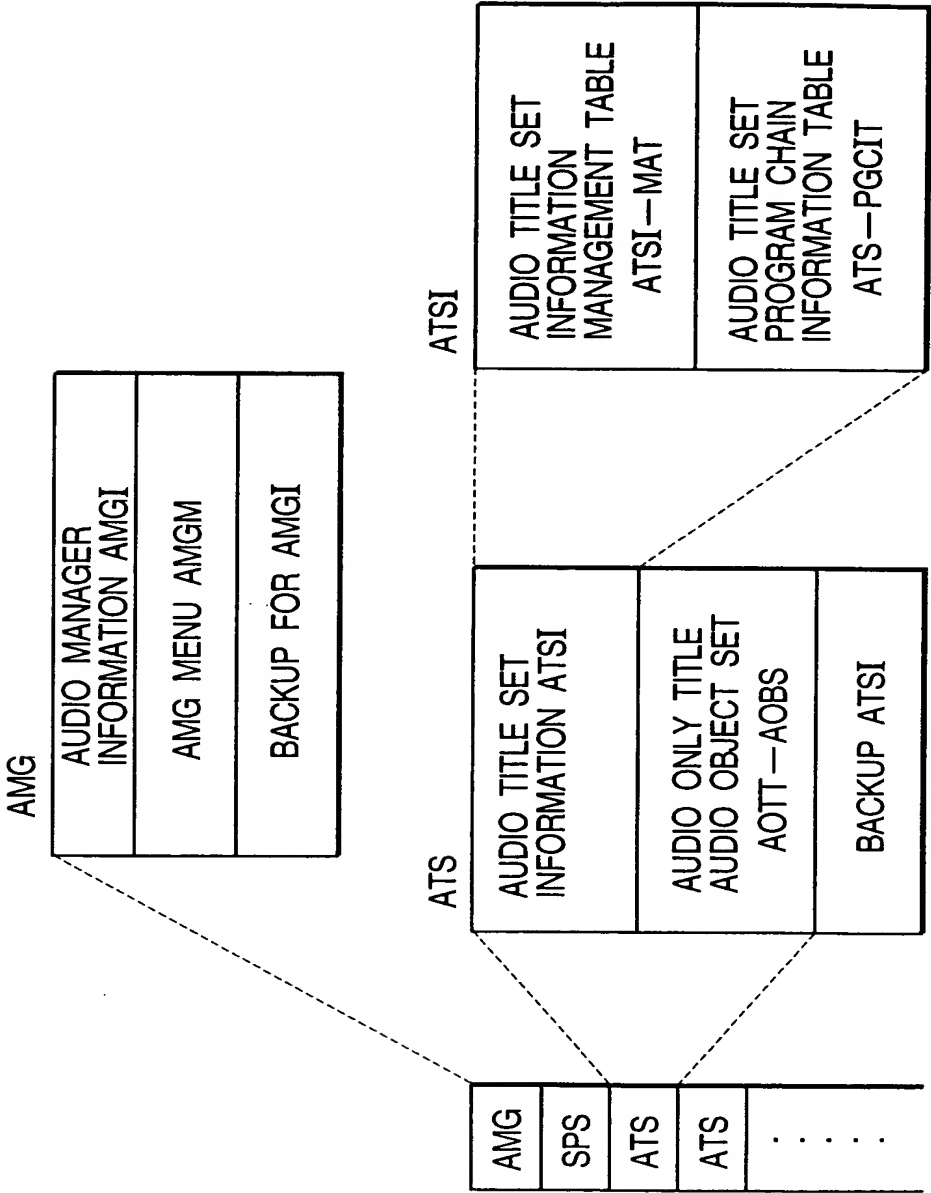


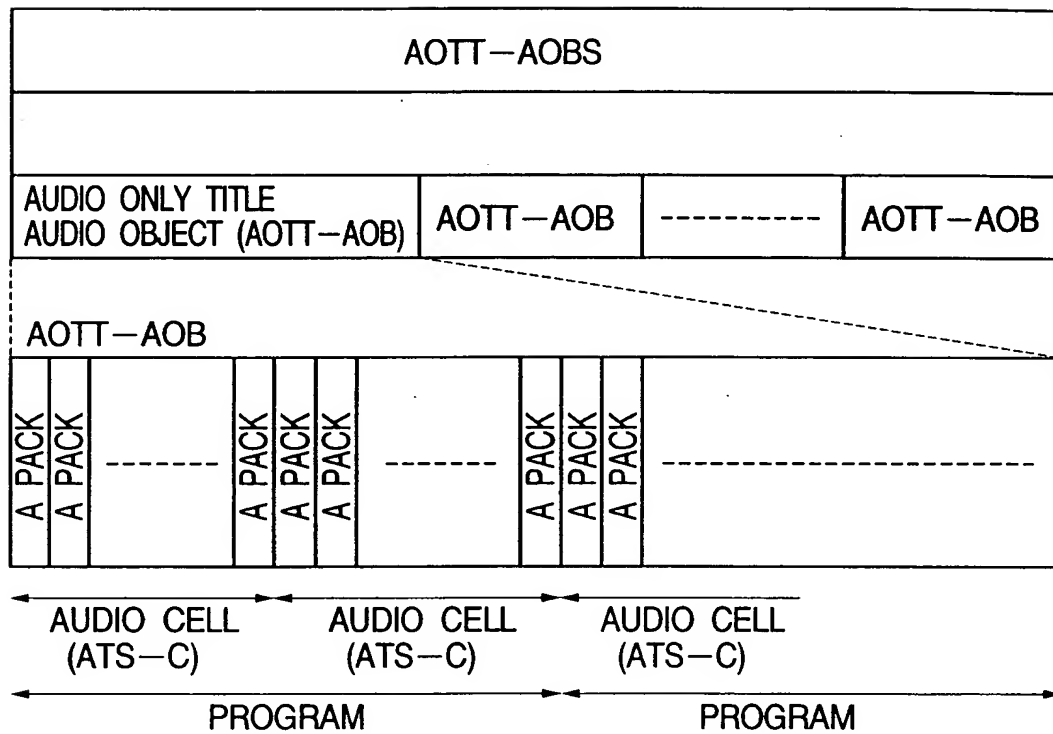
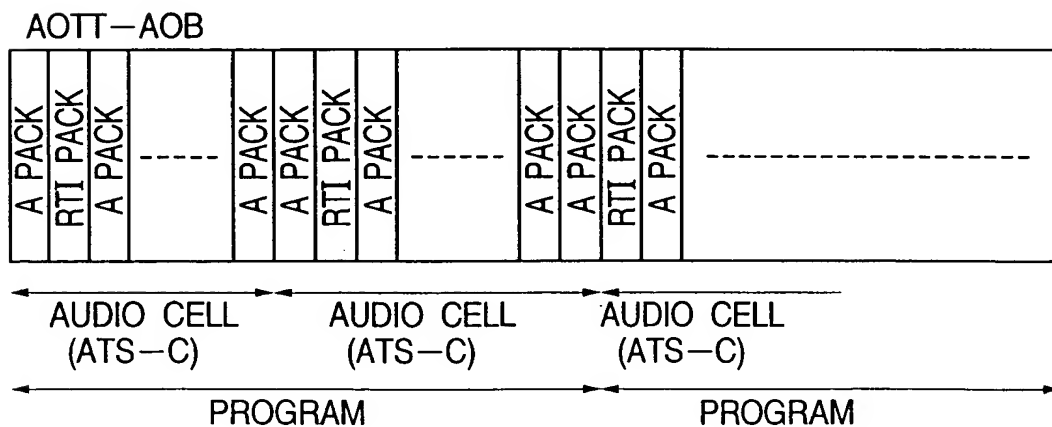
FIG. 57*FIG. 58*

FIG. 59

LINEAR PCM AUDIO PACK

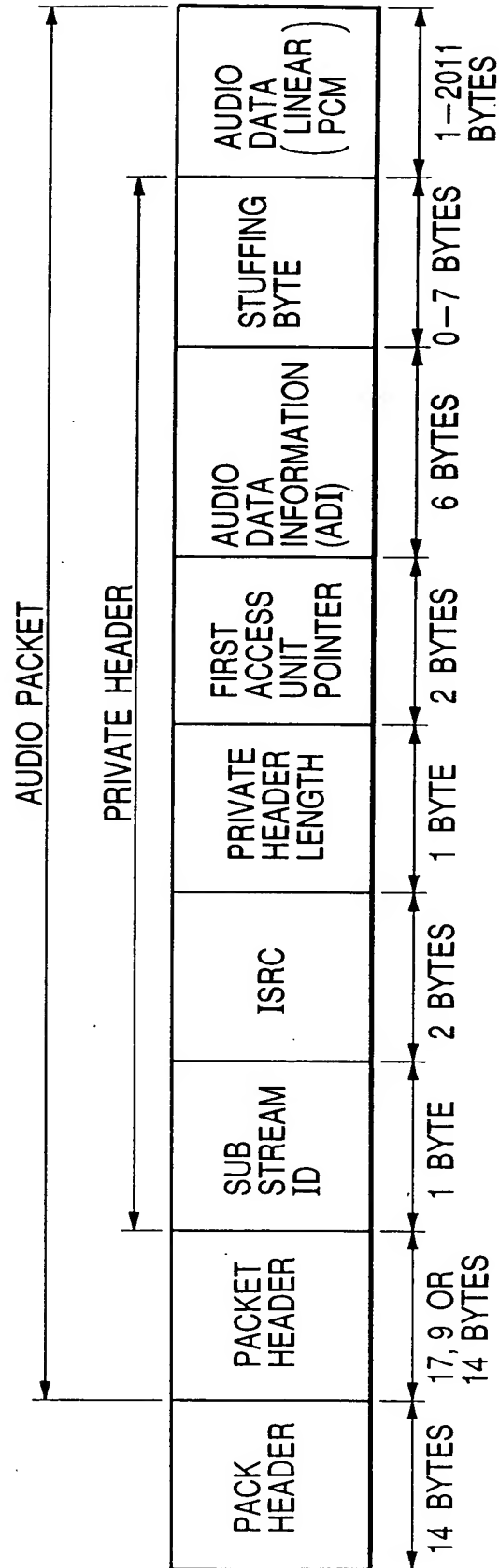


FIG. 60

LINEAR PCM PRIVATE HEADER

FILED		BIT NUMBER	BYTE NUMBER
SUB STREAM ID		8	1
RESERVED		3	2
UPC/EAN-ISRC NUMBER		5	
UPC/EAN-ISRC DATA		8	
PRIVATE HEADER LENGTH		8	1
FIRST ACCESS UNIT POINTER		16	2
ADI {	AUDIO EMPHASIS FLAG	1	1
	RESERVED	1	
	DOWN MIX CODE	1	
	DOWN MIX CODE EFFECTIVENESS	1	
	DOWN MIX CODE	4	
	QUANTIZATION WORD LENGTH 1	4	1
	QUANTIZATION WORD LENGTH 2	4	
	AUDIO SAMPLING FREQUENCY f_s 1	4	1
	AUDIO SAMPLING FREQUENCY f_s 2	4	
	RESERVED	4	1
	MULTICHANNEL TYPE	4	
	BIT SHFT OF CHANNEL GROUP 2	3	1
	CHANNEL ASSIGNMENT	5	
	DYNAMIC RANGE CONTROL	8	1
	RESERVED	8	2
	RESERVED	8	
STUFFING BYTE		—	8

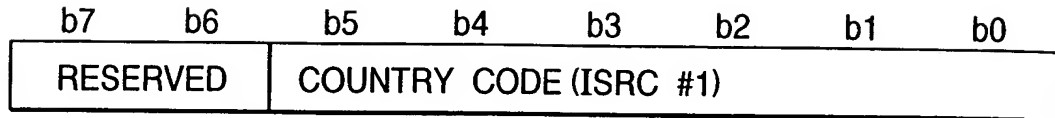
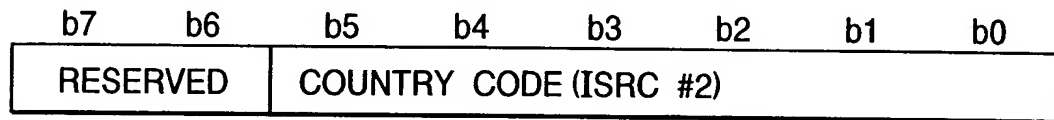
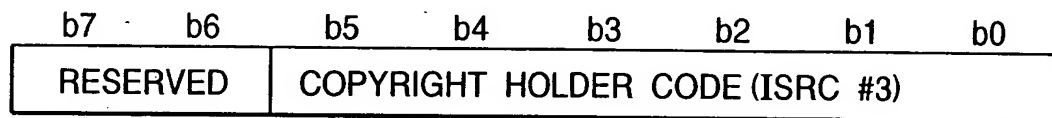
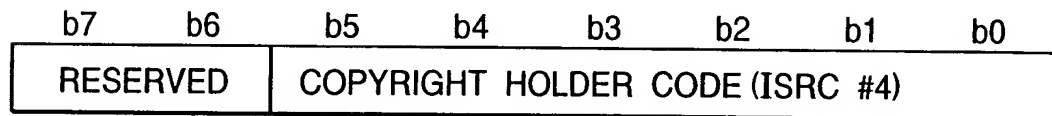
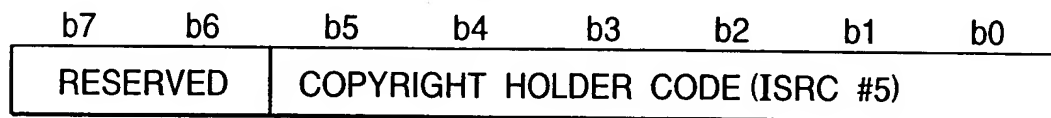
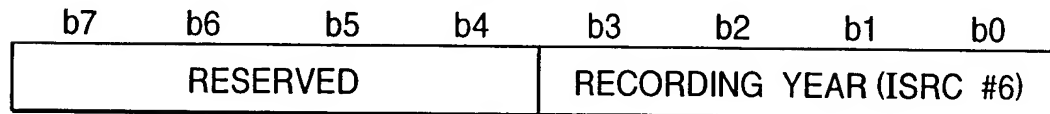
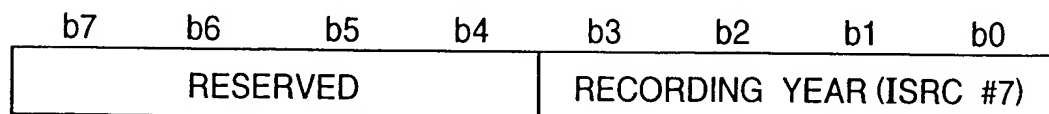
FIG. 61*FIG. 62**FIG. 63**FIG. 64**FIG. 65**FIG. 66**FIG. 67*

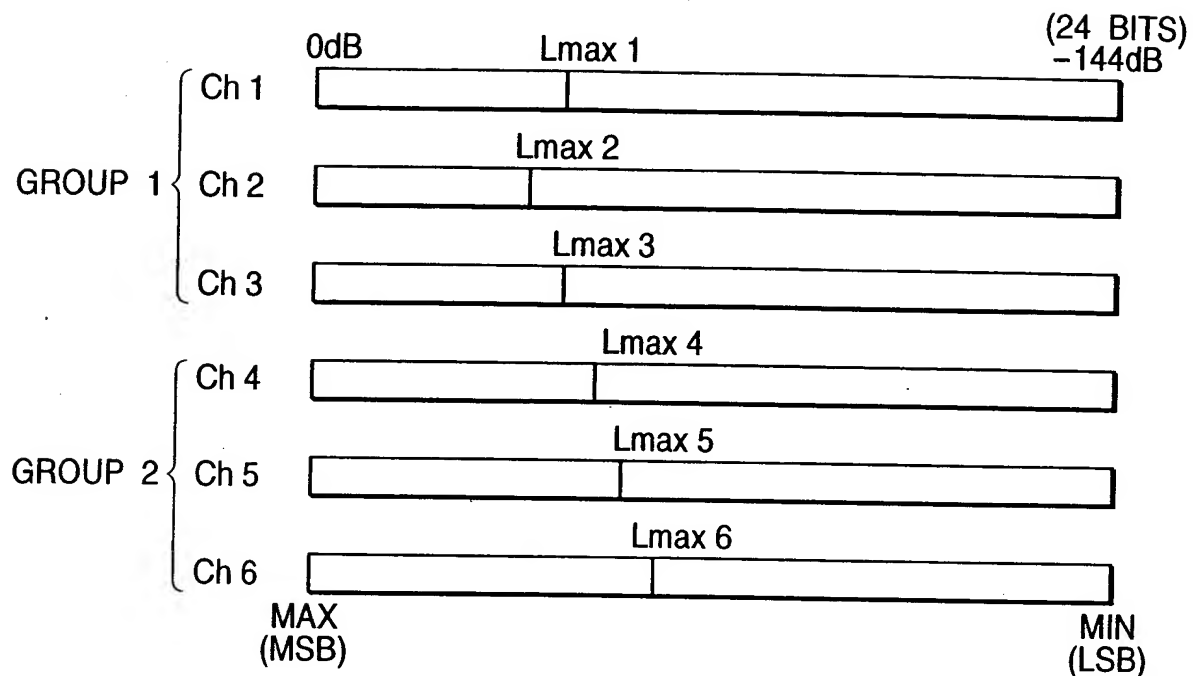
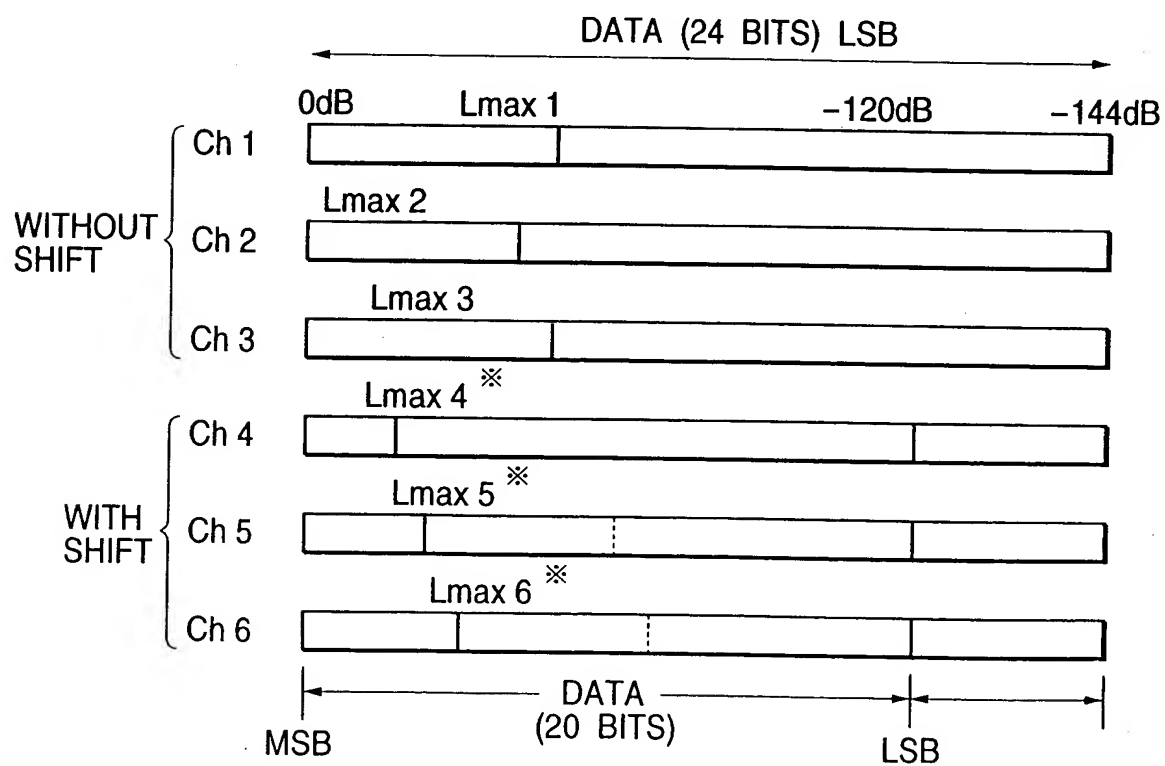
FIG. 68*FIG. 69*

FIG. 70

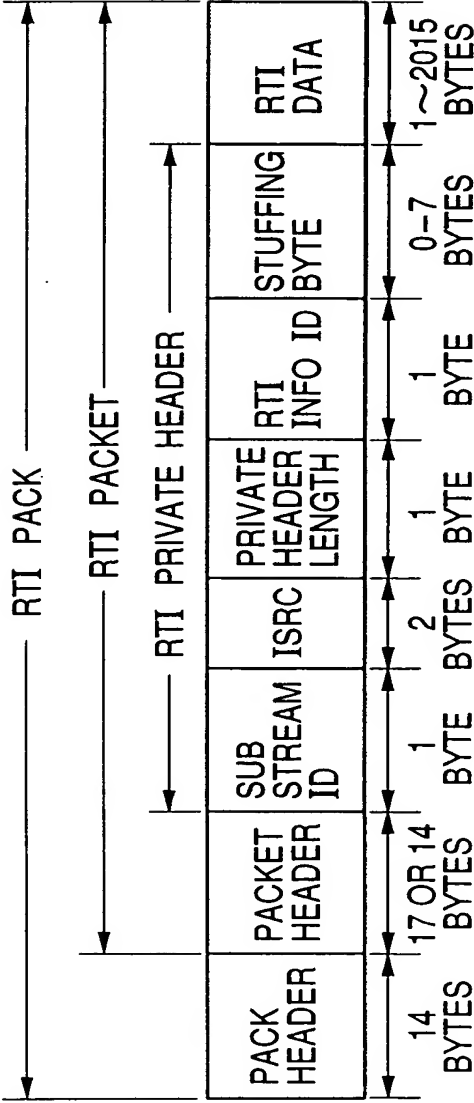


FIG. 71

SPS
(STILL PICTURE SET)

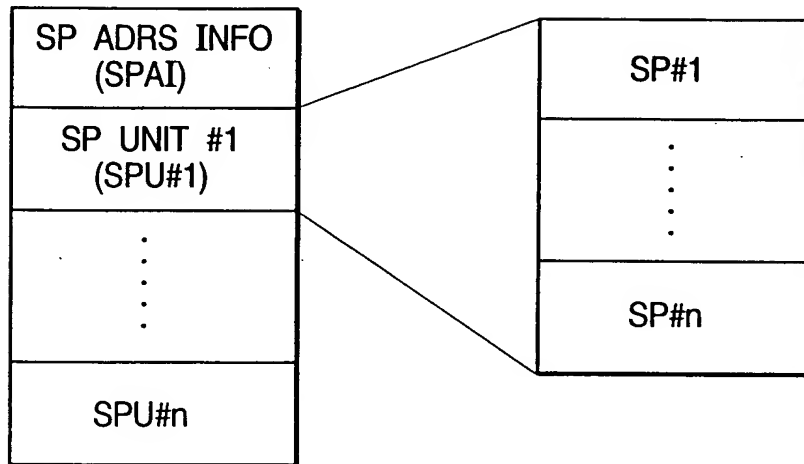
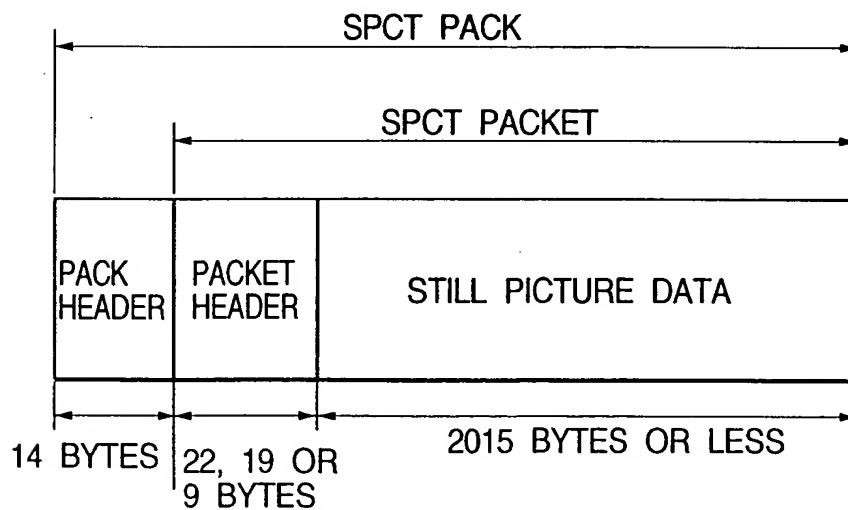
*FIG. 72*

FIG. 73

ATSI-MAT

RBP		BYTE NUMBER
0~11	ATS IDENTIFIER (ATS-ID)	12
12~15	ATS END ADRS (ATS-EA)	4
16~27	RESERVED	12
28~31	ATSI END ADRS (ATSI-EA)	4
32, 33	VERSION NO (VERN)	2
34~127	RESERVED	94
128~131	ATSI-MAT END ADRS	4
132~191	RESERVED	60
192~195	AOTT VTS START ADRS	4
196~199	AOTT AOBS START ADRS (AOTT VOBS START ADRS)	4
200~203	RESERVED	4
204~207	ATS-PGCIT START ADRS	4
208~255	RESERVED	48
256~383	AOTT-AOB-ATR AOTT-VOB-AST-ATR	128
384~671	ATS-DM-COEFT#0~#15	288
672~703	RESERVED	32
704~705	STILL PICTURE DATA ATTRIBUTE (ATS-SPCT-ART)	2
706~2047	RESERVED	1342

b127	b126	b125	b124	b123	b122	b121	b120
AUDIO ENCODING MODE							
b119	b118	b117	b116	b115	b114	b113	b112
RESERVED							
b111	b110	b109	b108	b107	b106	b105	b104
Q1				Q2			
b103	b102	b101	b100	b99	b98	b97	b96
fs1				fs2			
b95	b94	b93	b92	b91	b90	b89	b88
MULTICHANNEL STRUCTURE TYPE			CHANNEL ASSIGNMENT				
b87	b86	b85	b84	b83	b82	b81	b80
RESERVED							
b79	b78	b77	b76	b75	b74	b73	b72
RESERVED							
b71	b70	b69	b68	b67	b66	b65	b64
RESERVED							
b63	b62	b61	b60	b59	b58	b57	b56
RESERVED							
b55	b54	b53	b52	b51	b50	b49	b48
RESERVED							
b47	b46	b45	b44	b43	b42	b41	b40
RESERVED							
b39	b38	b37	b36	b35	b34	b33	b32
RESERVED							
b31	b30	b29	b28	b27	b26	b25	b24
RESERVED							
b23	b22	b21	b20	b19	b18	b17	b16
RESERVED							
b15	b14	b13	b12	b11	b10	b9	b8
RESERVED							
b7	b6	b5	b4	b3	b2	b1	b0
RESERVED							

FIG. 75

CHANNEL ASSIGNMENT INFORMATION (BIT PATTERN)	CHANNEL STRUCTURE OF GROUPS 1, 2						CHANNEL NUMBER IN GROUP 1	CHANNEL NUMBER IN GROUP 2
	ACH0	ACH1	ACH2	ACH3	ACH4	ACH5		
00000b	C(mono)	none	none	none	none	none	1	0
00001b	L	R	none	none	none	none	2	0
00010b	Lf	Rf	S	none	none	none	2	1
00011b	Lf	Rf	Ls	Rs	none	none	2	2
00100b	Lf	Rf	LFE	none	none	none	2	1
00101b	Lf	Rf	LFE	S	none	none	2	2
00110b	Lf	Rf	LFE	Ls	Rs	none	2	3
00111b	Lf	Rf	C	none	none	none	2	1
01000b	Lf	Rf	C	S	none	none	2	2
01001b	Lf	Rf	C	Ls	Rs	none	2	3
01010b	Lf	Rf	C	LFE	none	none	2	2
01011b	Lf	Rf	C	LFE	S	none	2	3
01100b	Lf	Rf	C	LFE	Ls	Rs	2	4
01101b	Lf	Rf	C	S	none	none	3	1
01110b	Lf	Rf	C	Ls	Rs	none	3	2
01111b	Lf	Rf	C	LFE	none	none	3	1
10000b	Lf	Rf	C	LFE	S	none	3	2
10001b	Lf	Rf	C	LFE	Ls	Rs	3	3
10010b	Lf	Rf	Ls	Rs	LFE	none	4	1
10011b	Lf	Rf	Ls	Rs	C	none	4	1
10100b	Lf	Rf	Ls	Rs	C	LFE	4	2
OTHERS	RESERVED							
CHANNEL GROUP 1				CHANNEL GROUP 2				

b127	b126	b125	b124	b123	b122	b121	b120
AUDIO ENCODING MODE							
b119	b118	b117	b116	b115	b114	b113	b112
RESERVED							
b111	b110	b109	b108	b107	b106	b105	b104
Q				RESERVED			
b103	b102	b101	b100	b99	b98	b97	b96
fs				RESERVED			
b95	b94	b93	b92	b91	b90	b89	b88
MULTICHANNEL STRUCTURE TYPE			CHANNEL ASSIGNMENT				
b87	b86	b85	b84	b83	b82	b81	b80
DECODING AUDIO STREAM NUMBER			RESERVED				
b79	b78	b77	b76	b75	b74	b73	b72
MPEG AUDIO DRC		RESERVED		COMPRESSION AUDIO CHANNEL NUMBER			
b71	b70	b69	b68	b67	b66	b65	b64
RESERVED							
b63	b62	b61	b60	b59	b58	b57	b56
RESERVED							
b55	b54	b53	b52	b51	b50	b49	b48
RESERVED							
b47	b46	b45	b44	b43	b42	b41	b40
RESERVED							
b39	b38	b37	b36	b35	b34	b33	b32
RESERVED							
b31	b30	b29	b28	b27	b26	b25	b24
RESERVED							
b23	b22	b21	b20	b19	b18	b17	b16
RESERVED							
b15	b14	b13	b12	b11	b10	b9	b8
RESERVED							
b7	b6	b5	b4	b3	b2	b1	b0
RESERVED							

FIG. 77

ATS—DM—COEFT#0—#15

CONTENTS	BYTE NUMBER
DOWN MIX COEFFICIENT OF TABLE NUMBER 0	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 1	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 2	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 3	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 4	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 5	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 6	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 7	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 8	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 9	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 10	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 11	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 12	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 13	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 14	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 15	18

FIG. 78

ATS—SPCT—ATR

b15	b14	b13	b12	b11	b10	b9	b8
VIDEO COMPRESSION MODE		TV SYSTEM		ASPECT RATIO		DISPLAY MODE	
b7	b6	b5	b4	b3	b2	b1	b0
RESERVED		SOURCE PICTURE RESOLUTION			RESERVED		

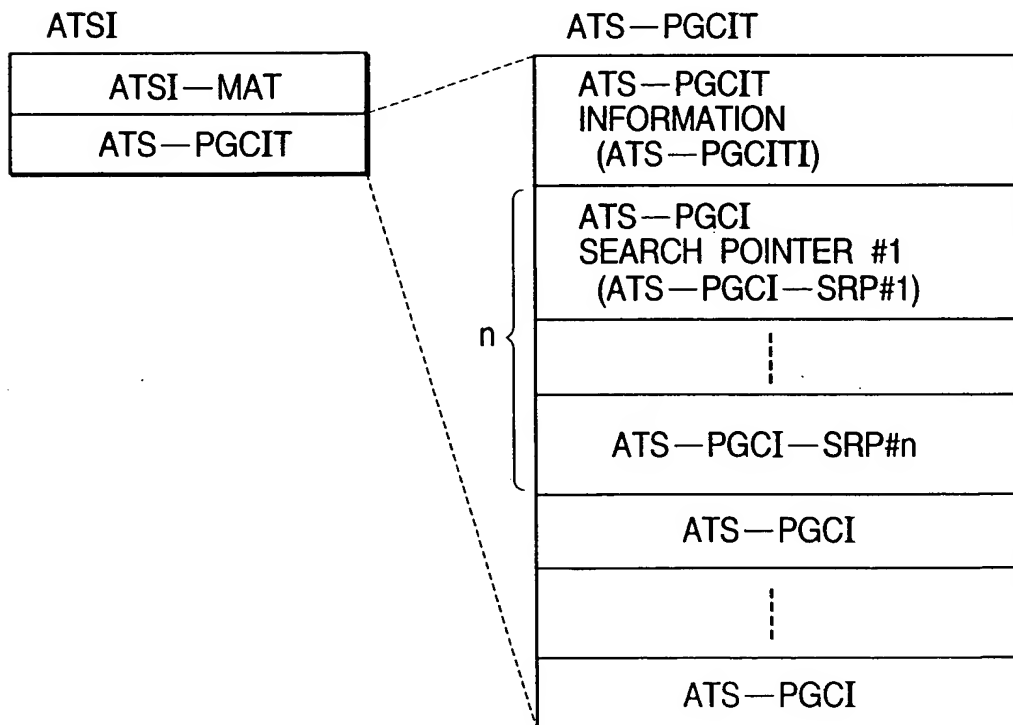
FIG. 79

FIG. 80

ATS-PGCITI

RBP		BYTE NUMBER
0~1	ATS-PGCI-SRP NUMBER	2
2~3	RESERVED	2
4~7	ATS-PGCIT END ADRS	4

FIG. 81

ATS-PGCI-SRP

RBP		BYTE NUMBER
0~3	ATS-PGC CATEGORY (ATS-PGC-CAT)	4
4~7	ATS-PGCI END ADRS	4

FIG. 82

ATS-PGC-CAT

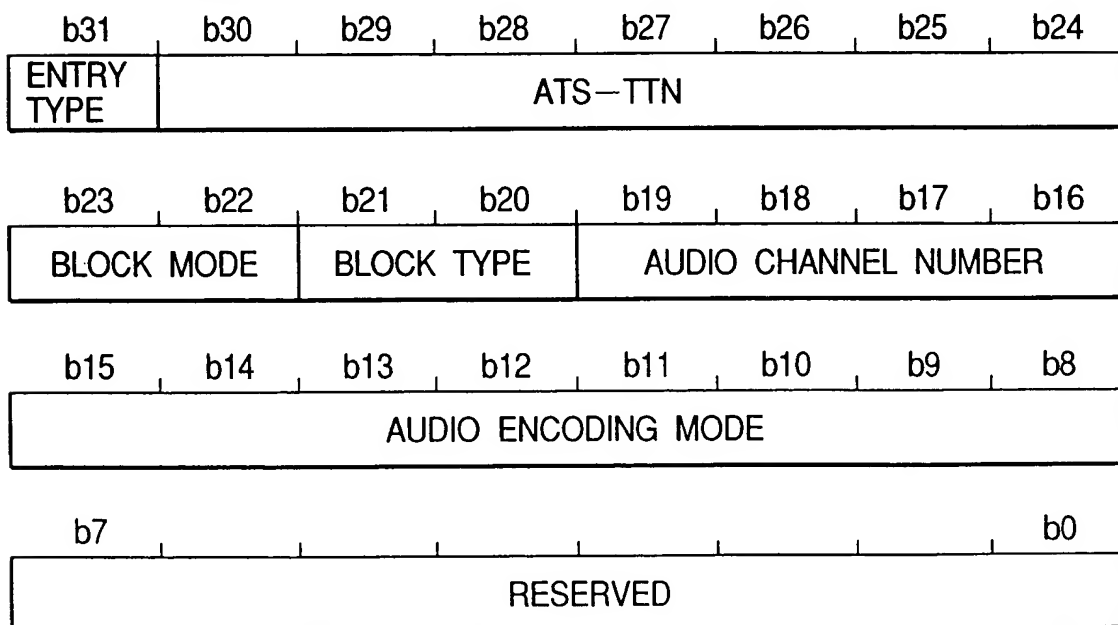
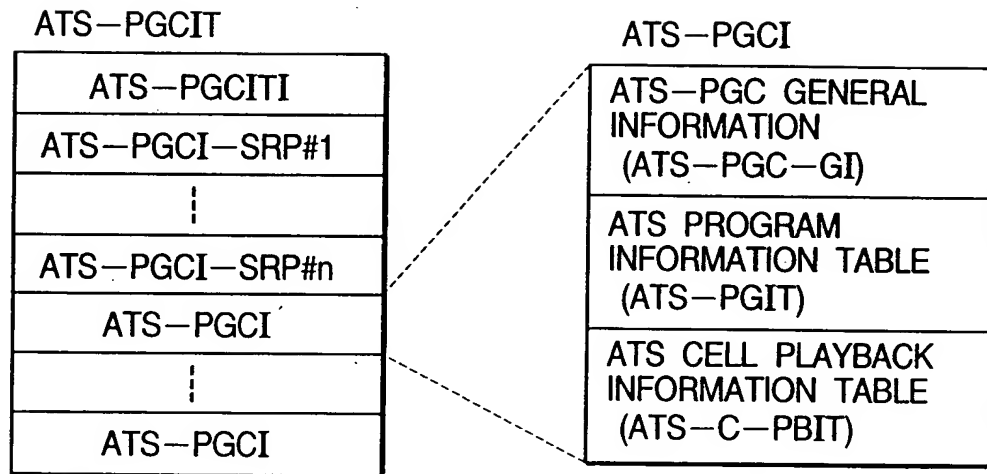


FIG. 83*FIG. 84*

ATS-PGC-GI

RBP		BYTE NUMBER
0~3	ATS-PGC CONTENTS (ATS-PGC-CNT)	4
4~7	ATS-PGC PLAYBACK TIME (ATS-PGC-PB-TM)	4
8~9	RESERVED	2
10~11	ATS-PGIT START ADDRESS	2
12~13	ATS-C-PBIT START ADDRESS	2
14~15	RESERVED	2

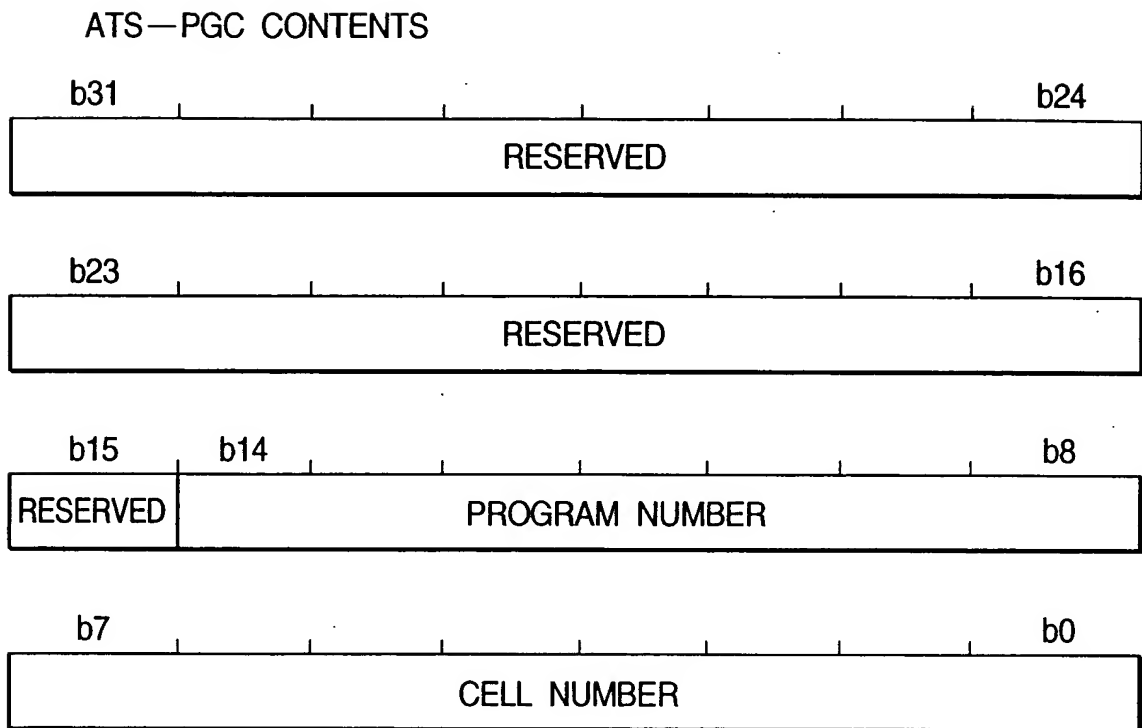
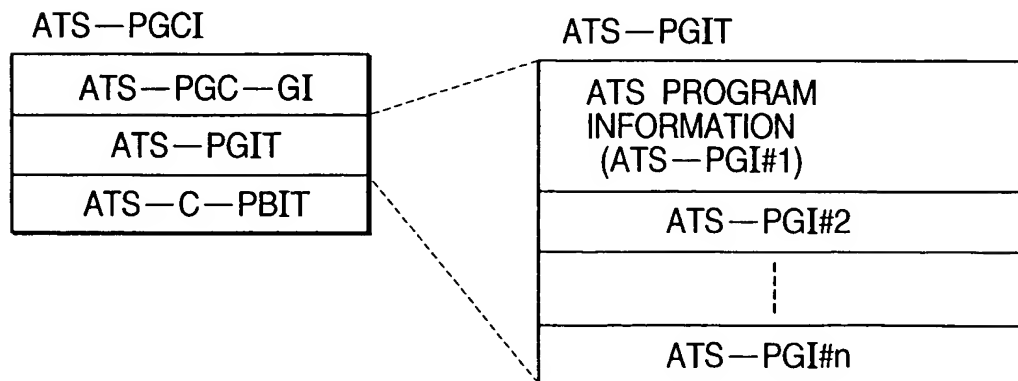
FIG. 85*FIG. 86*

FIG. 87

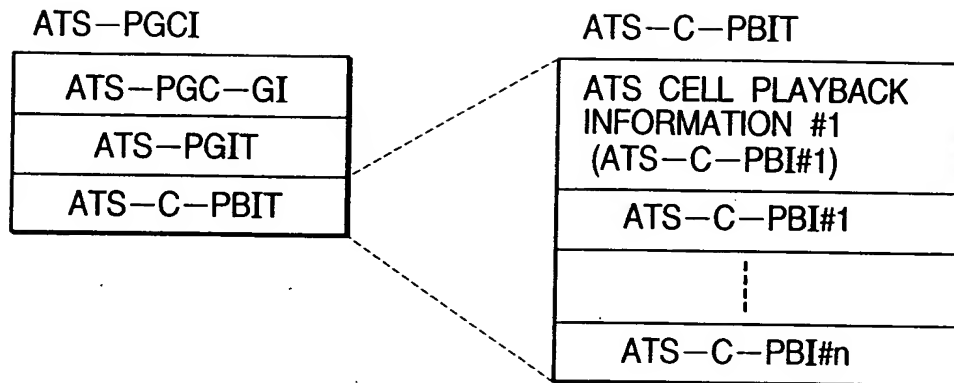
ATS—PGI

RBP		BYTE NUMBER
0~3	ATS—PG CONTENTS (ATS—PG—CNT)	4
4	ATS—PG ENTRY CELL NUMBER	1
5	RESERVED	1
6~9	FAC—S—PTM	4
10~13	ATS—PG PLAYBACK TIME	4
14~17	ATS—PG PAUSE TIME	4
18	COPYRIGHT MANAGEMENT INFO CMI	1
19	RESERVED	1

FIG. 88

ATS—PG—CNT

b31	b30	b29	b28	b27	b26	b25	b24
R/A	STC—F	ATRN			ChGr2 BIT SHIFT		
b23	b22	b21	b20	b19	b18	b17	b16
RESERVED		D—M	D—M EFFECT	DM—COEFTN			
b15	b14	b13	b12	b11	b10	b9	b8
F15	F14	F13	F12	F11	F10	F9	F8
b7	b6	b5	b4	b3	b2	b1	b0
F7	F6	F5	F4	F3	F2	F1	F0

FIG. 89*FIG. 90*

ATS-C-PBI

RBP		BYTE NUMBER
0	ATS-C INDEX NUMBER	1
1	ATS-C TYPE (ATS-C-TY)	1
2~3	RESERVED	2
4~7	ATS-C START ADDRESS	4
8~11	ATS-C END ADDRESS	4

FIG. 91

ATS-C-TY

b7	b6	b5	b4	b3	b2	b1	b0
ATS-C-COMP		RESERVED		ATS-C Usage			

FIG. 92

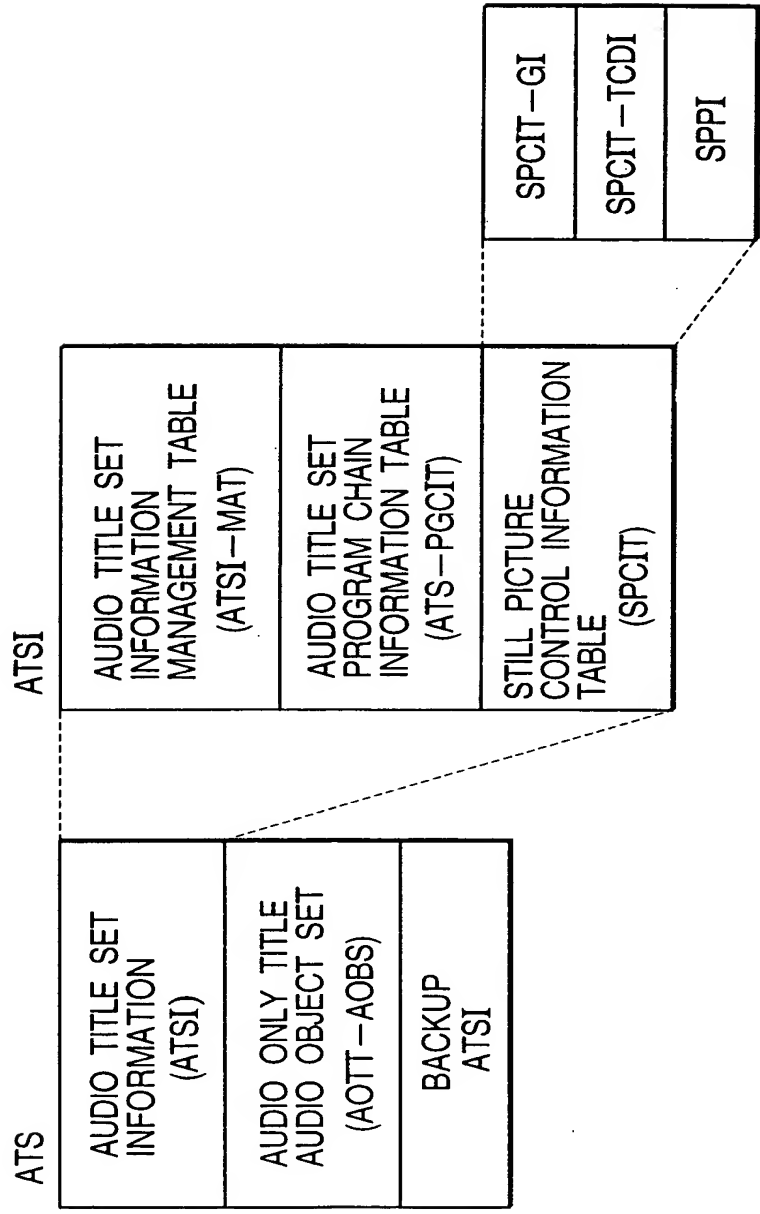
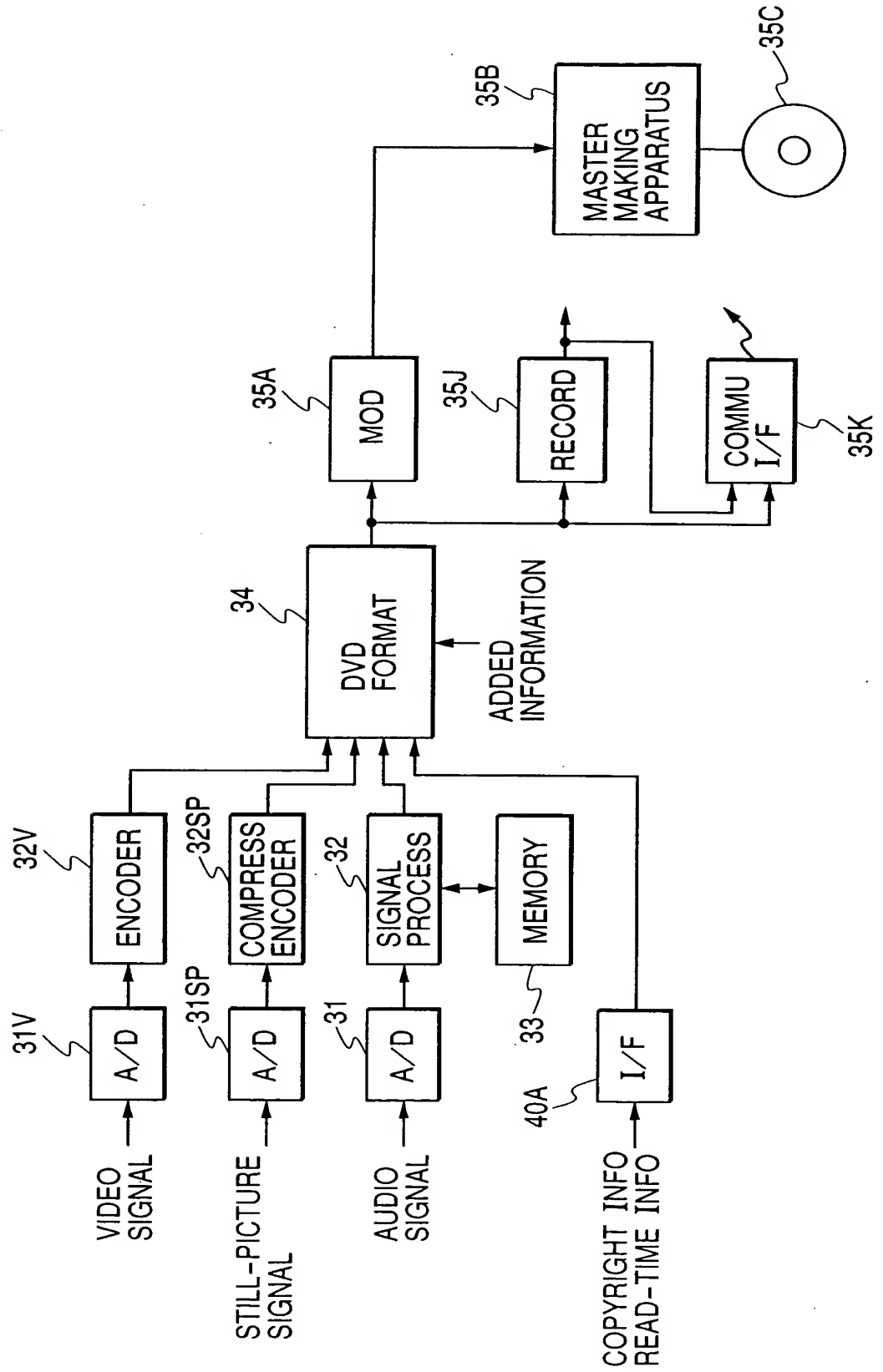


FIG. 93



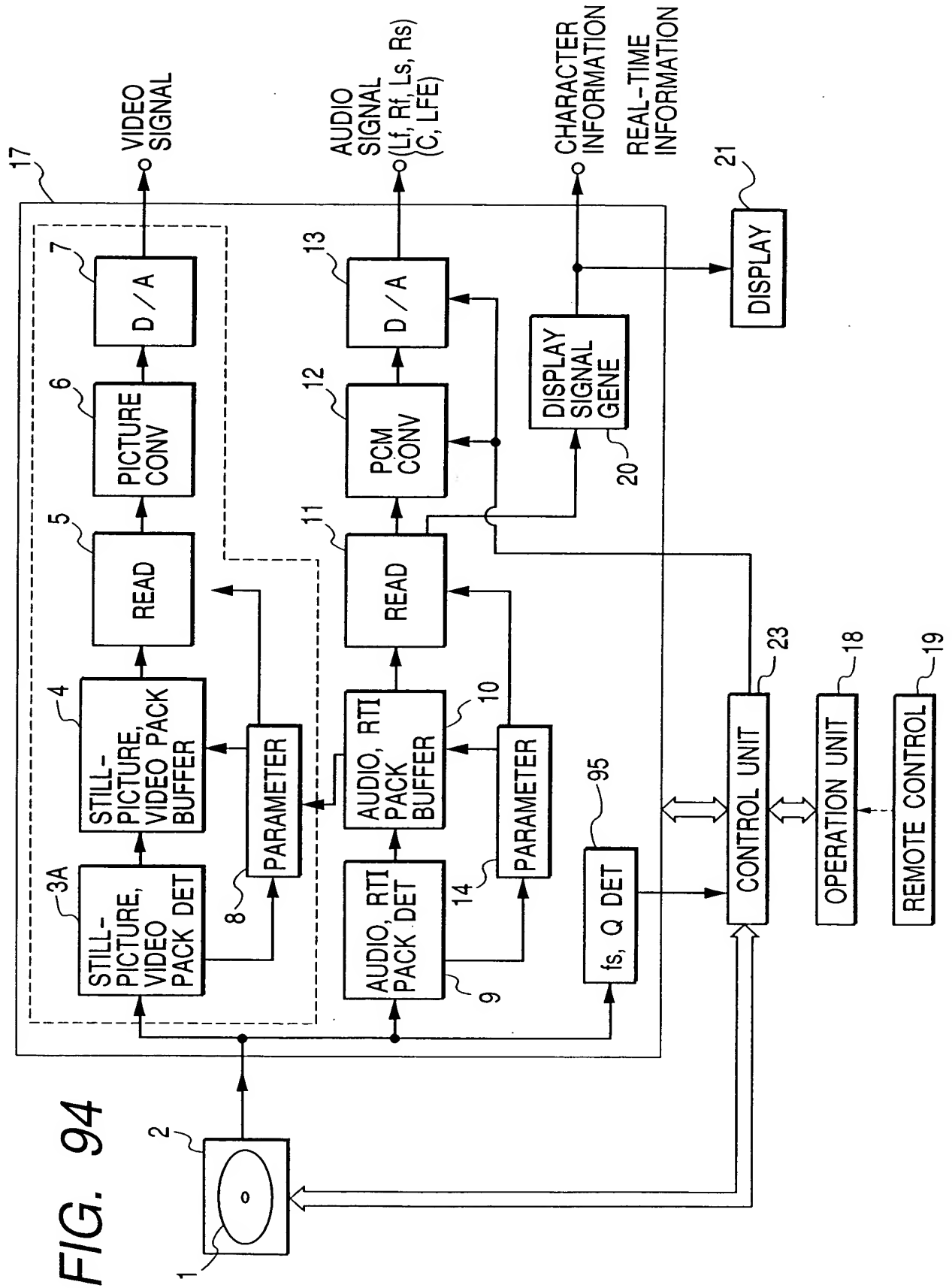


FIG. 95

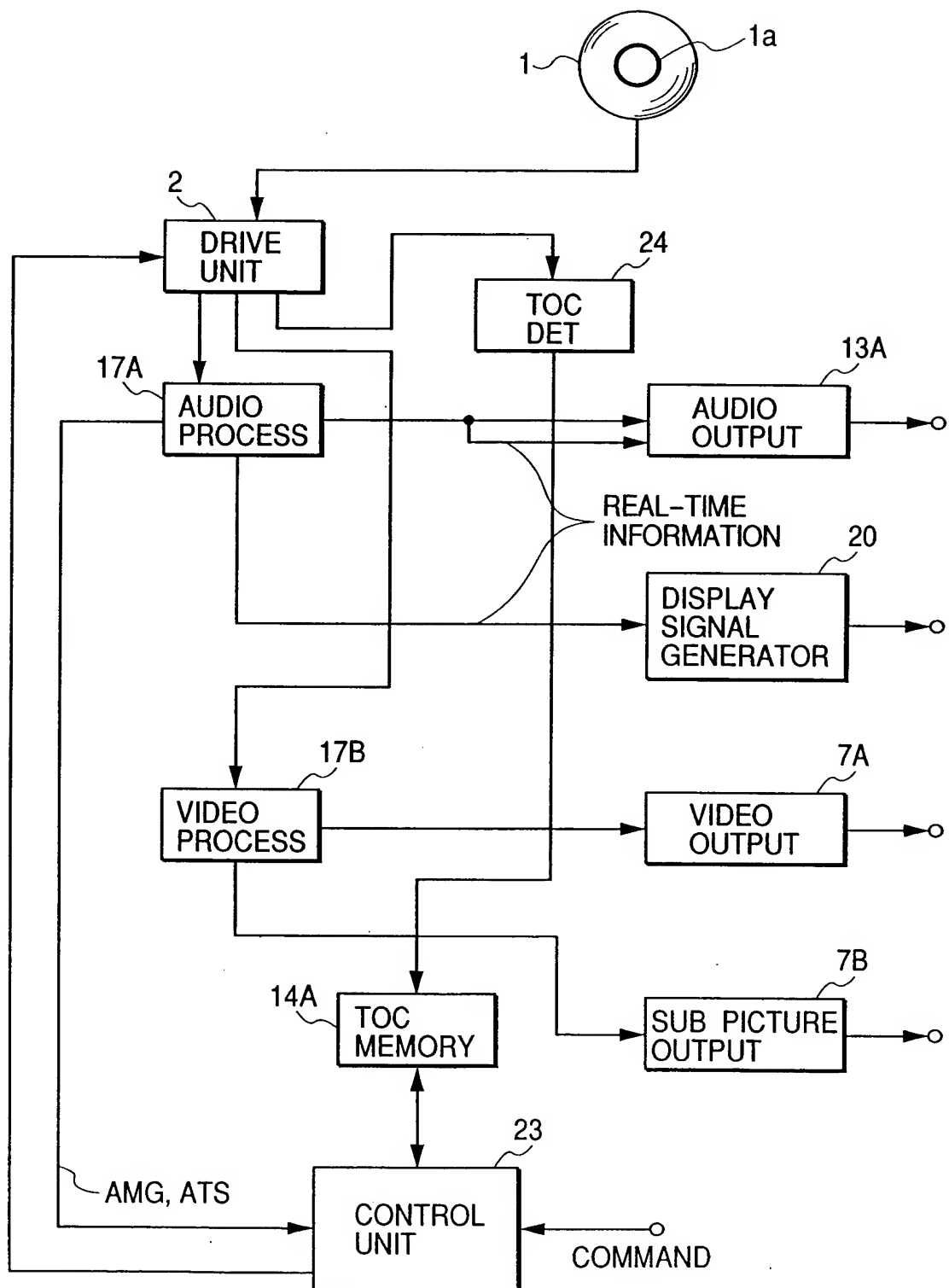


FIG. 96

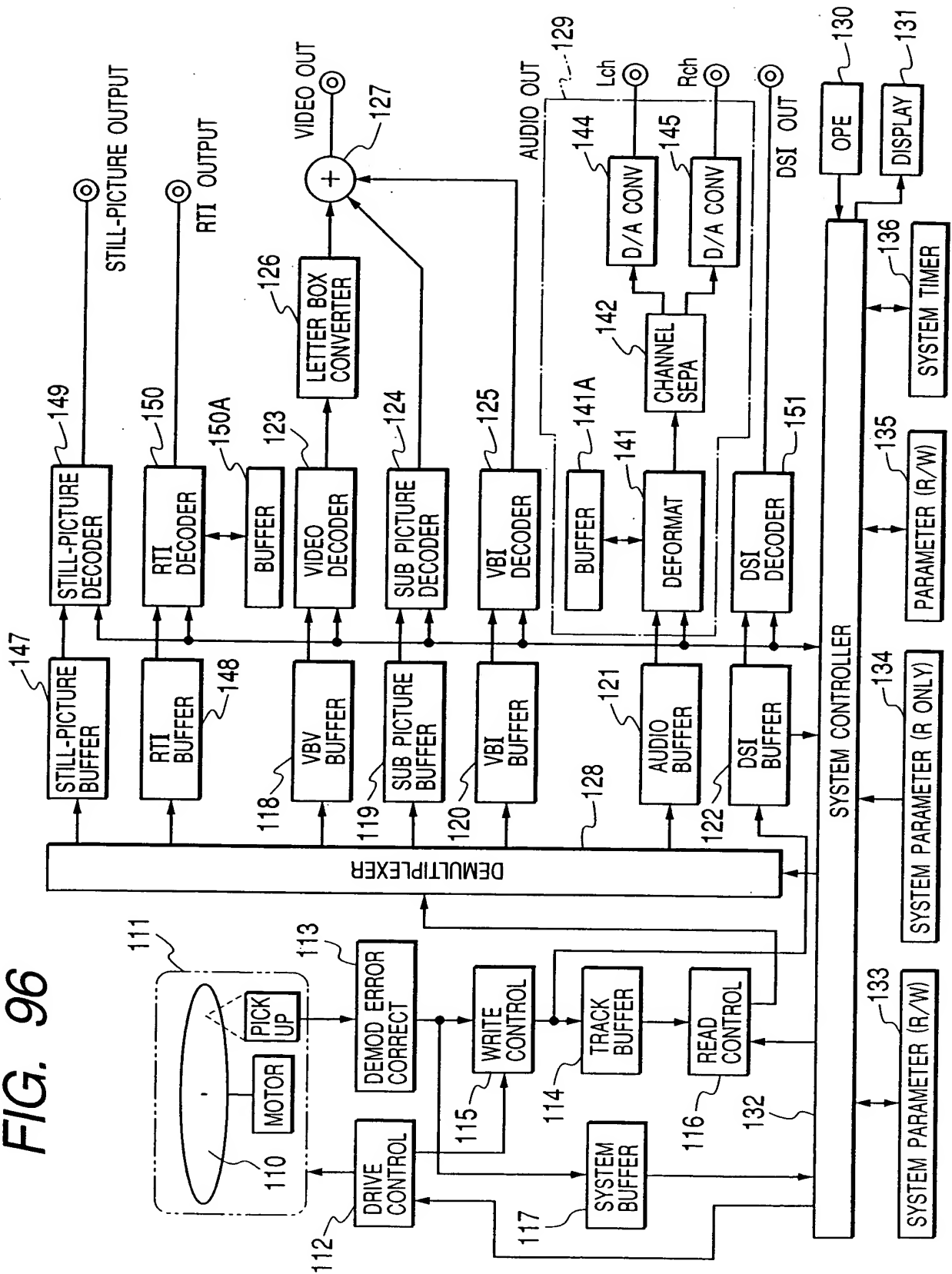


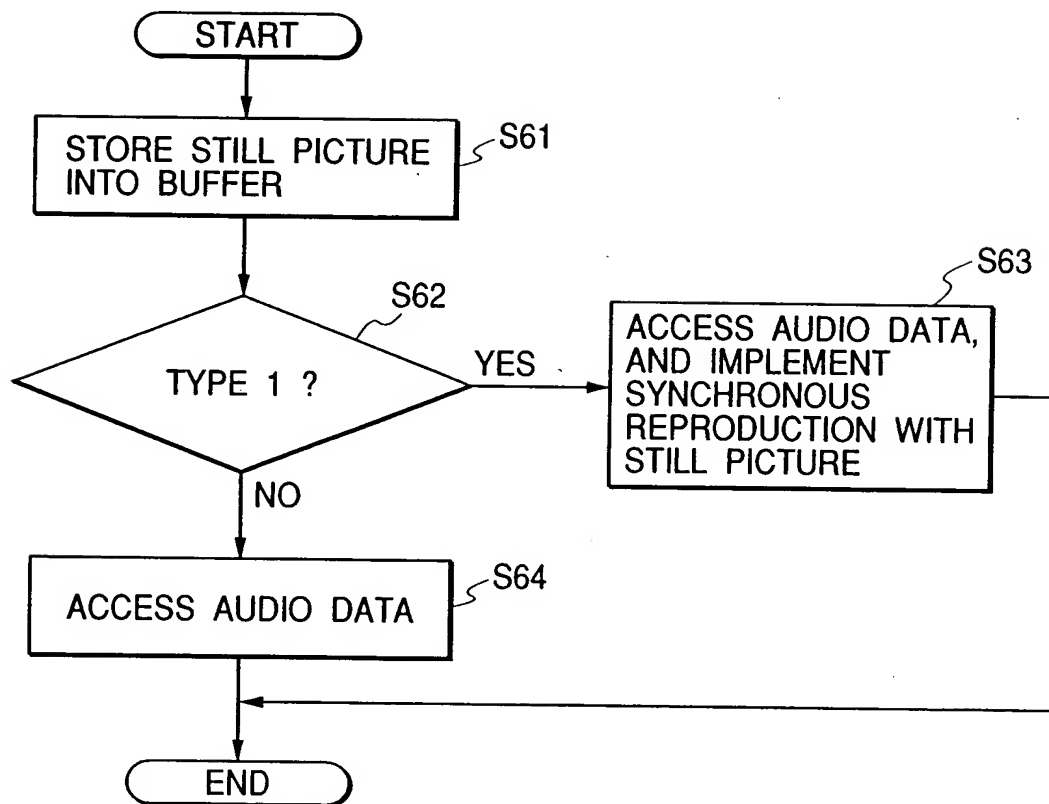
FIG. 97

FIG. 98

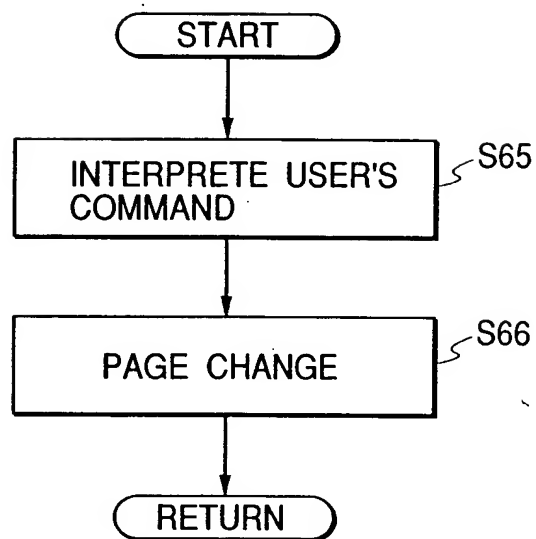


FIG. 99

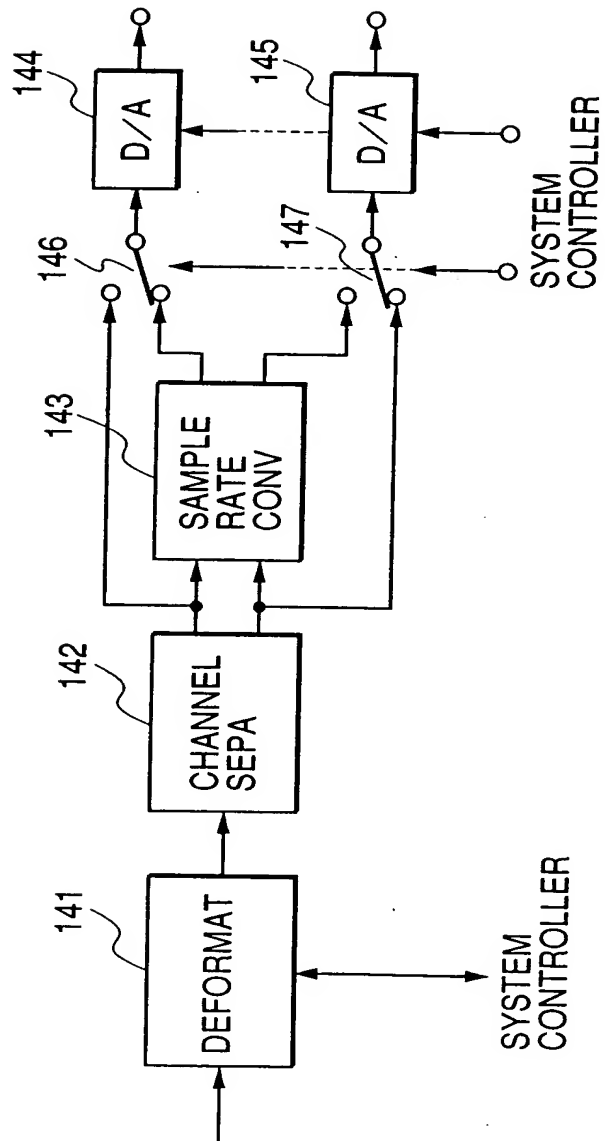
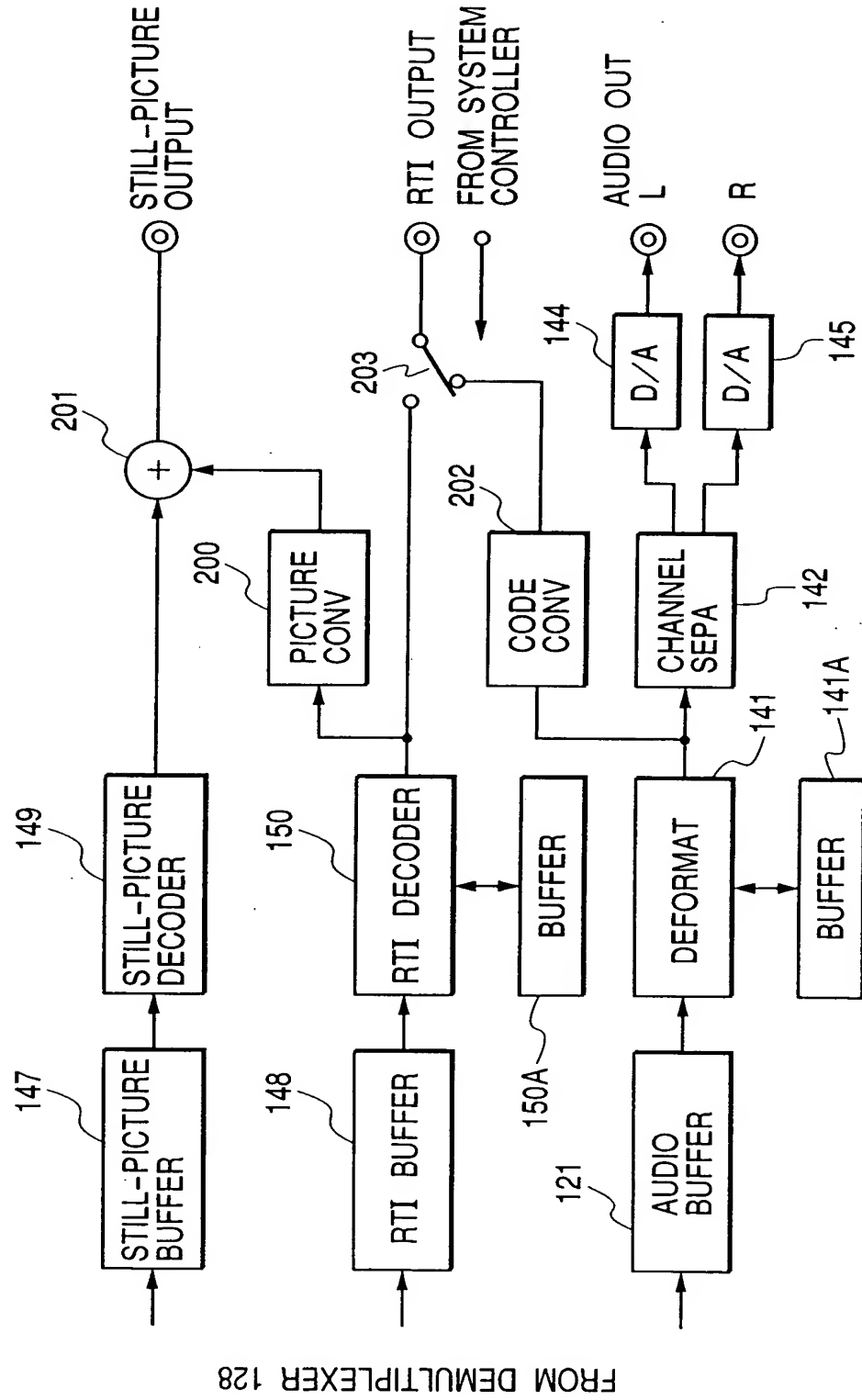


FIG. 100



FROM DEMULTIPLEXER 128

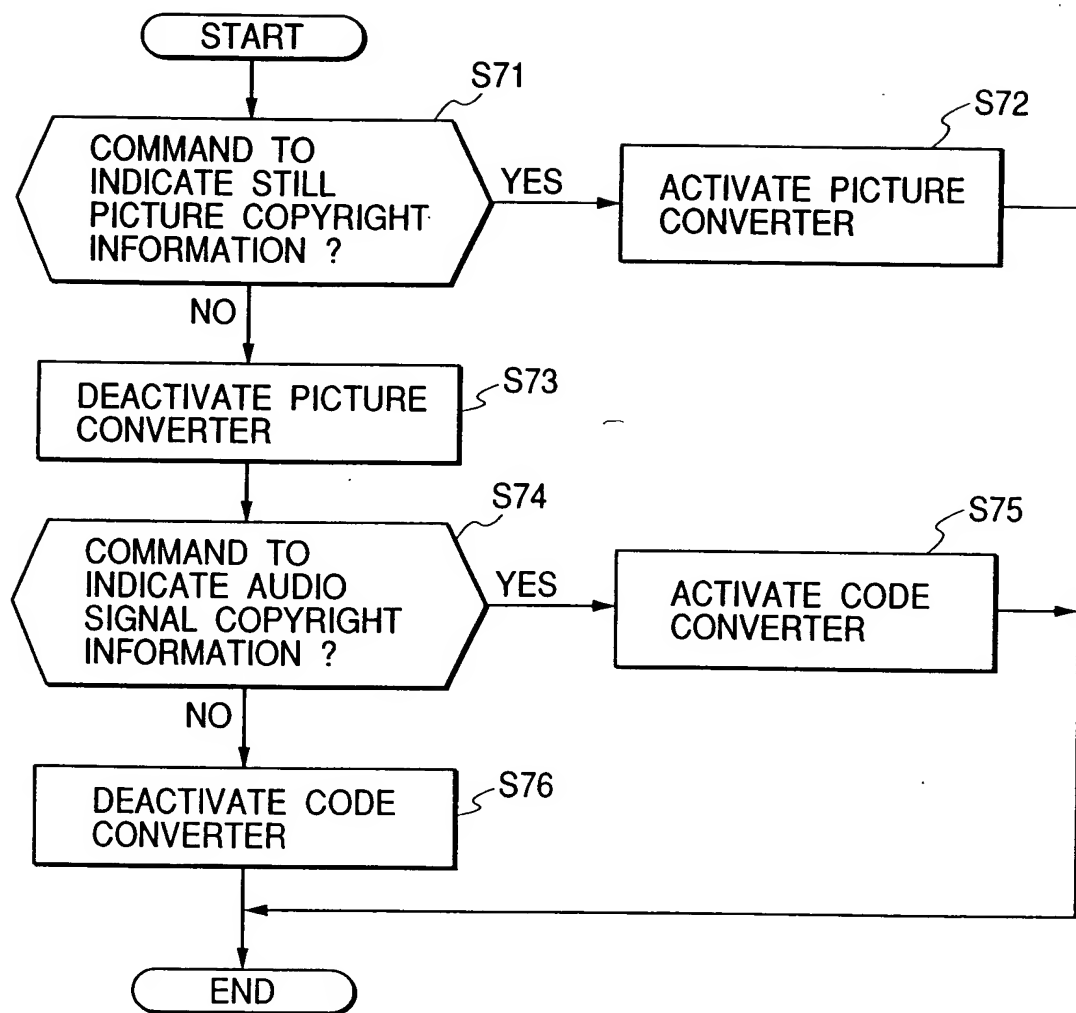
FIG. 101

FIG. 102

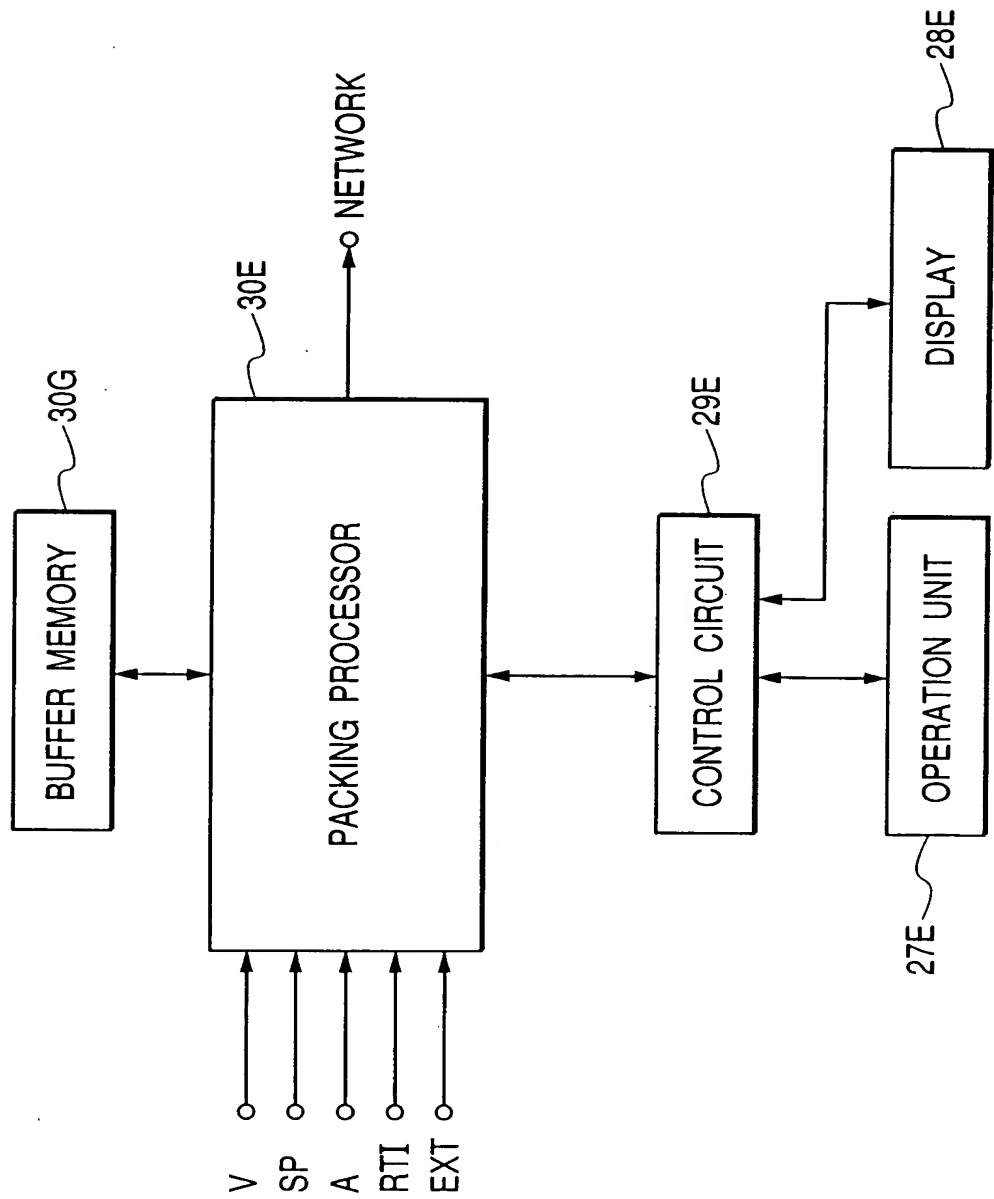


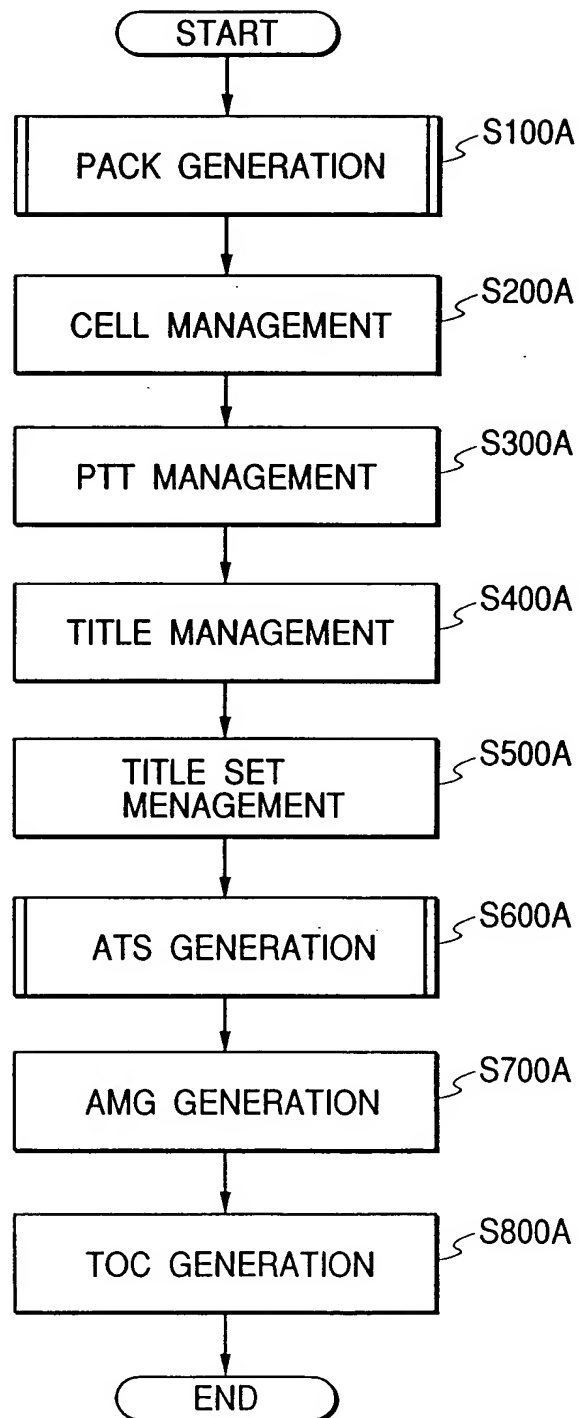
FIG. 103

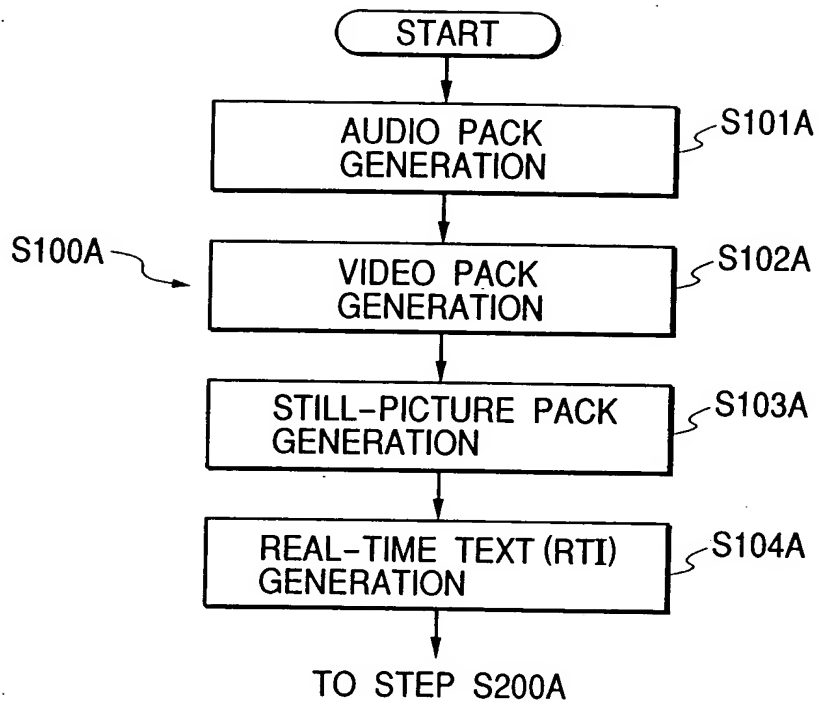
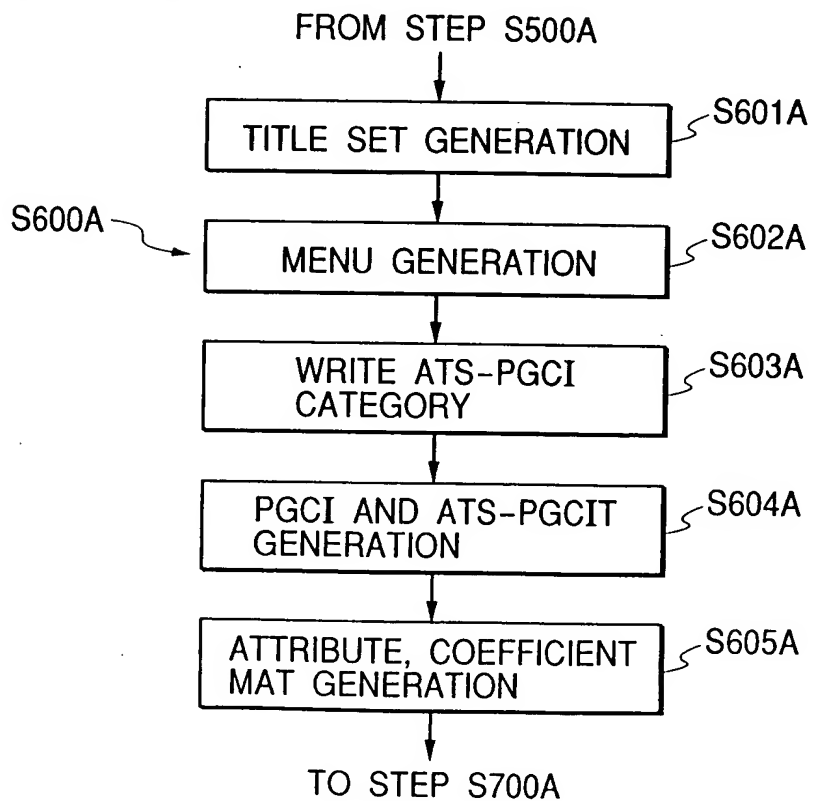
FIG. 104**FIG. 105**

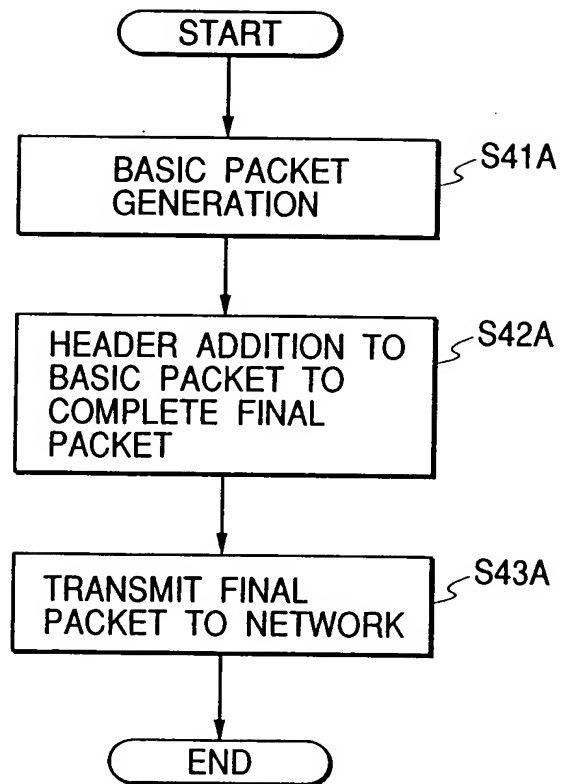
FIG. 106

FIG. 107

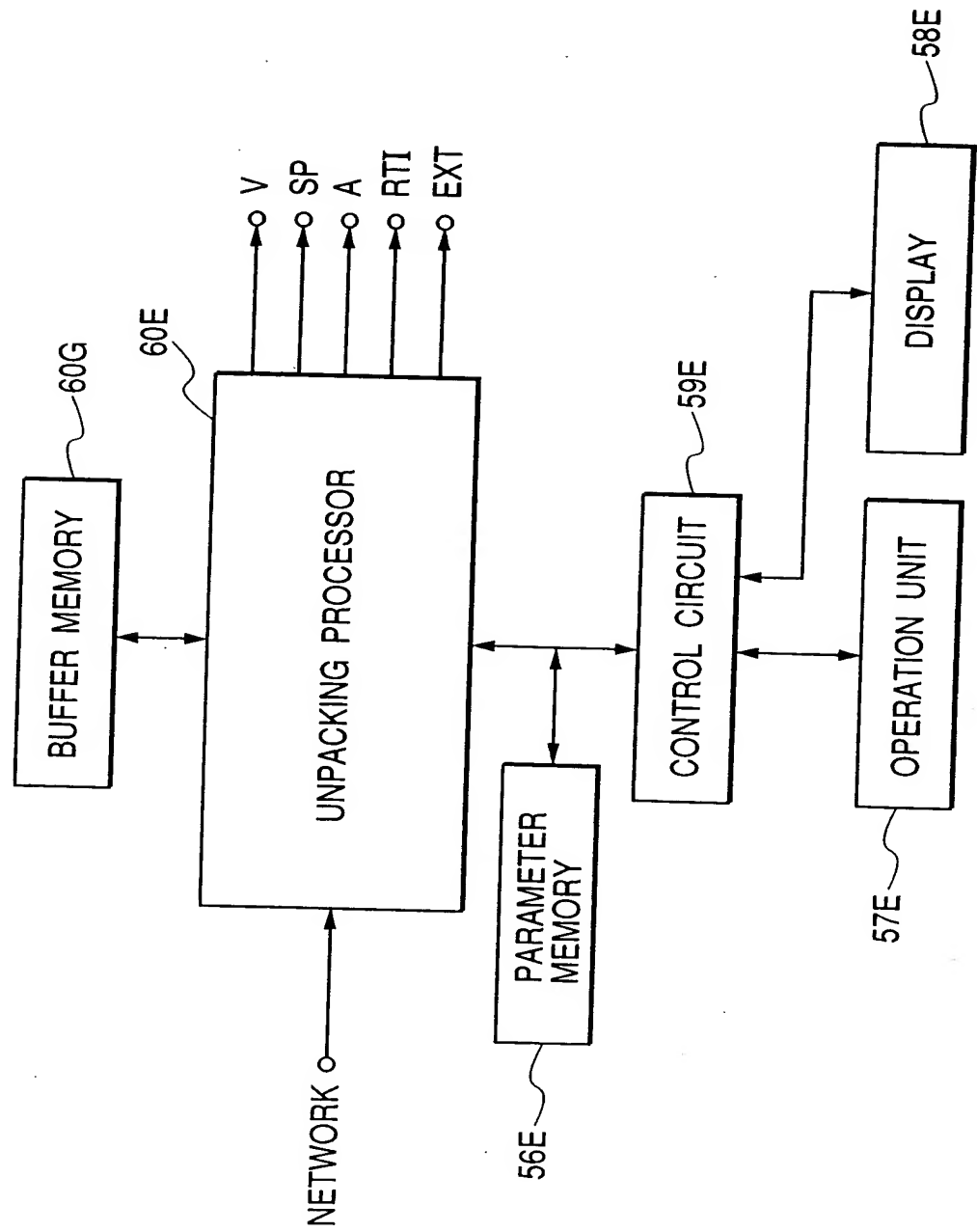


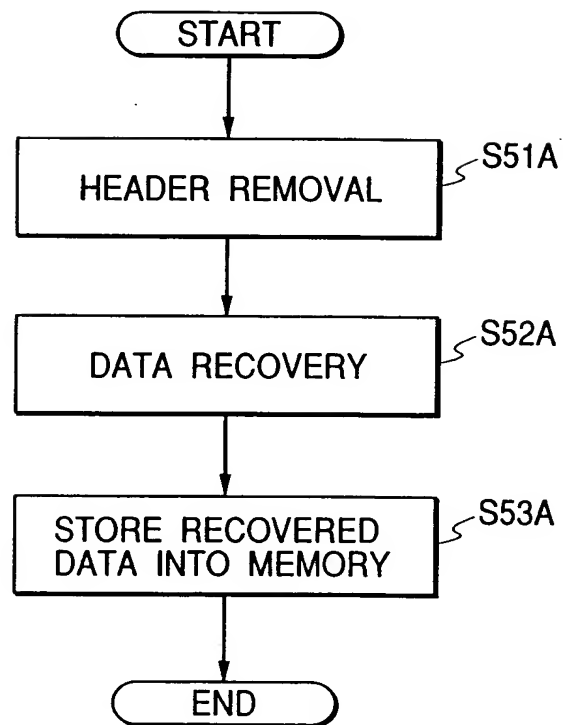
FIG. 108

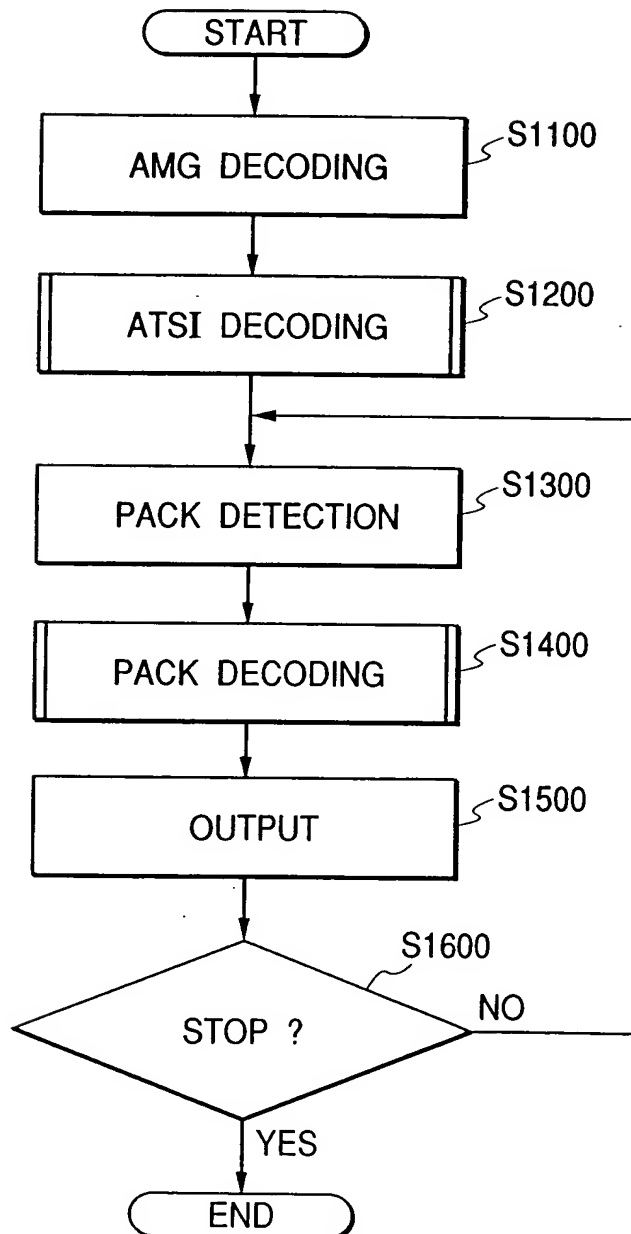
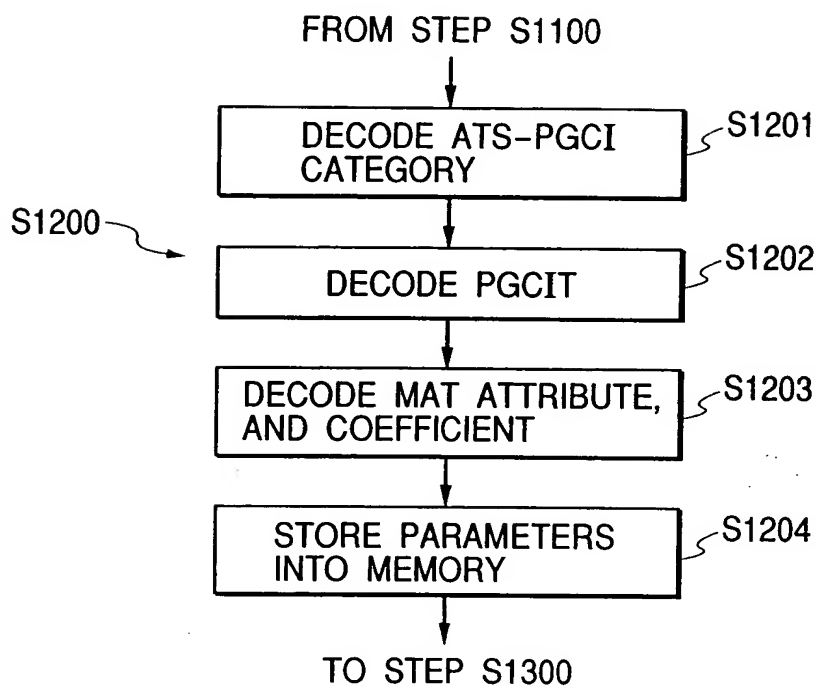
FIG. 109

FIG. 110**FIG. 111**